CEDAR CITY COURT
2005 MISCELLANEOUS
REMODELING

100 EAST CENTER STREET
CEDAR CITY, UTAH 84501

STATE OF UTAH
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT
4110 State Office Building / SLC, Utah 84114 / (801) 538-3018

DFCM PROJECT NO. 05017150

SCOTT P. EVANS - ARCHITECT AND ASSOCIATES P.C.
ARCHITECT (801) 298-1368
108 WEST CENTER STREET BOUNTIFUL, UTAH

BHB CONSULTING
STRUCTURAL ENGINEER (801) 355-5656
244 WEST 300 NORTH #202 SALT LAKE CITY, UTAH

VAN BOERUM & FRANK ASSOCIATES
MECHANICAL ENGINEER (801) 530-3148
330 SOUTH 300 EAST SALT LAKE CITY, UTAH

KEY ENGINEERING, INC.
ELECTRICAL ENGINEER (801) 307-0115
7231 SOUTH 900 EAST MIDVALE, UTAH

ABBREVIATIONS

ABOVE FINISHED FLOOR	AFF
ALTERNATE	ALT.
ALUMINUM	AL.
AMERICAN CONCRETE INSTITUTE	ACI
AMERICAN NATIONAL STANDARDS INSTITUTE	ANSI
AMERICAN SOCIETY OF TESTING & MATERIALS	ASTM
AMERICAN WELDING SOCIETY	AWS
ANCHOR BOLT	A.B.
AND	&
ANGLE	L
APPROVED	APPD.
APPROXIMATE	APPROX.
ARCHITECT OR ARCHITECTURAL	ARCH.
ARCHITECTURAL CONCRETE	AC
AVERAGE	AVG.
AT	@
BEAM	BM
BLOCKING	BLKG.
BOTTOM	BOT.
BRACKET	BRKT.
BUILDING	BLDG.
CALCIUM SILICATE MASONRY UNIT	CSMU
CATCH BASIN	C.B.
CENTER	CTR.
CENTERLINE	CL
CENTER TO CENTER	C TO C
CHANNEL	[
CLEANOUT	C.O.
COLUMN	COL.
COMPOSITION	COMP.
CONCRETE MASONRY UNIT	C.M.U.
CONCRETE REINFORCING STEEL INSTITUTE	CRSI
CONSTRUCTION	CONST.
CONTINUOUS	CONT.
COUNTERSINK	CSK.
CUBIC	CU.
CUBIC FOOT	CU. FT.
CUBIC FEET PER MINUTE	CFM
CUBIC INCH	CU. IN.
CUBIC YARD	CU. YD.
DEPARTMENT	DEPT.
DIAGONAL	DIAG.
DIAMETER	ø
DIMENSION	DIM.
DOOR	DR
DOUBLE	DBL.
DRAWING	DWG.
ELECTRICAL	ELEC.
ELECTRIC WATER COOLER	EWC
ELEVATION	EL.
EQUIPMENT	EQUIP.
EXPANSION JOINT	EJ / EXP. JT.
EXTERIOR INSULATION FINISH SYSTEM	EIFS
FAR SIDE	F.S.
FEET OR FOOT	FT. or '
FIELD VERIFY	F.V.
FINISH FLOOR	F.F.
FIRE EXTINGUISHER CABINET	F.E.C.
FIRE HOSE CABINET	F.H.C.
FIRE HYDRANT	F.H.
FIRE RETARDANT TREATED	FRT
FLOOR DRAIN	FD
FLUORESCENT	FLUOR.
FOOTING	FTG.
FOUNDATION	FND.
GALVANIZED	GALV.
GAGE OR GAUGE	GA.
GLAZED STRUCTURAL UNIT	GSU
GYPSUM BOARD	GYP. BD.
HARDWARE	HDW.
HEIGHT	HGT.
HIGH STRENGTH BOLT	HSB
HORIZONTAL	HORIZ.
INCH	"
INFORMATION	INFO.
INSIDE DIAMETER	I.D.
INTERMEDIATE	INTER.
KIP (1,000 LB.)	K
LABORATORY	LAB.
MANUFACTURER	MFG.
MAXIMUM	MAX.
MECHANICAL	MECH.
MINIMUM	MIN.
MISCELLANEOUS	MISC.
NATIONAL BOARD OF FIRE UNDERWRITERS	NBFU
NATIONAL ELECTRICAL CODE	NEC
NATIONAL ELECTRICAL MANUFACTURERS ASSOC.	NEMA
NEAR SIDE	N.S.
NOT IN CONTRACT	N.I.C.
NOT TO SCALE	NTS
NUMBER	NO. or #
ON CENTER	O.C.
OPENING	OPNG.
OPPOSITE	OPP.
OUTSIDE DIAMETER	O.D.
PENNY	d
PER	/
PERPENDICULAR	PERP.
PHASE	ø
POUND	LB. or #
PREFABRICATED	PREFAB.
PROPERTY LINE	P/L
RADIUS	R
REINFORCING	REINF.
REQUIRED	REQ'D.
REVISION	REV.
ROD & SHELF	R&S
ROOF DRAIN	RD
ROOM	RM
ROUND	RD. or ø
SHEET	SHT.
SIMILAR	SIM.
SOUND ATTENUATION BLANKET	SAB
SPECIFICATION	SPEC.
SQUARE	SQ. or
SYMMETRICAL	SYM.
SYNTHETIC STUCCO EXTERIOR INSULATION SYSTEM	SSEIS
TOP OF MASONRY	T.O.M.
TOP BACK OF CURB	T.B.C.
TOP OF LANDSCAPING	T.L.
TOP OF WALK	T.W.
TOP OF STEEL	TOS
TOP OF WALL	TOW
TYPICAL	TYP.
UNLESS NOTED OTHERWISE	U.N.O.
VERTICAL	VERT.
VINYL WALL COVERING	VWC.
WELDED WIRE FABRIC	WWF
WITH	W/
WITHOUT	W/O

MATERIAL DESIGNATIONS

- EARTH
- POROUS FILL
- ASPHALT
- CONCRETE
- CONCRETE MASONRY UNITS
- BRICK
- CAST STONE
- CERAMIC TILE
- WOOD (FINISH)
- WOOD (STUDS, NAILERS)
- WOOD (BLOCKING)
- PLYWOOD
- BATT INSULATION
- RIGID INSULATION
- PLASTER
- ACOUSTIC TILE
- GYPSUM BOARD
- GLASS
- STEEL
- PARTICLE BOARD
- RIGID INSULATION

GRAPHIC SYMBOLS

- D2 / AE-501 — DETAIL/WALL or SECTION NUMBER / SHEET NUMBER
- 102 — DOOR NUMBER
- 5 — WINDOW NUMBER
- OFFICE / 100 — ROOM NAME / ROOM NUMBER
- 3 — REVISION NUMBER
- DETAIL, WALL or SECTION NUMBER / SHEET NUMBER
- A — GRID REFERENCE
- PLAN NORTH / ACTUAL NORTH — REFERENCE NORTH (PLANS)
- ELEVATION REFERENCE
- 3 — KEYED NOTE NUMBER
- A / B3 / AE201 / C / B / D — INTERIOR ELEVATION MARKER
- A — A — WALL TYPES

DRAWING SCHEDULE

SHT. NO.	DRAWING TITLE
GI-001	TITLE SHEET
GI-002	GENERAL INFORMATION
SJ001	GENERAL STRUCTURAL NOTES
SB101	PARTIAL STRUCTURAL PLANS
SB501	STRUCTURAL DETAILS
SB601	SCHEDULES
AD-101	DEMOLITION PLANS & KEYED NOTES
AE-101	FLOOR PLANS & KEYED NOTES
AE-102	REFLECTED CEILING PLANS & KEYED NOTES
AE-201	INTERIOR ELEVATION & KEYED NOTES
AE-301	SECTIONS
AE-501	DETAILS
AE-502	DETAILS
AE-503	DETAILS
AE-601	SCHEDULES
ME-000	LEGEND
MD-101	MECHANICAL DEMOLITION PLANS
ME-101	MECHANICAL PLANS
ME-401	DETAILS
PD-101	PLUMBING DEMOLITION PLANS
PE-101	PLUMBING PLANS

DRAWING SCHEDULE

SHT. NO.	DRAWING TITLE
ED-101	ELECTRICAL DEMOLITION PLANS & KEYED NOTES
EI-101	ELECTRICAL SCHEDULES & DETAILS
EL-101	LIGHTING PLANS & KEYED NOTES
EP-101	POWER PLAN & KEYED NOTES
EY-101	SYSTEMS PLAN & KEYED NOTES

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PROFESSIONAL SEAL

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CEDAR CITY, UTAH 84501

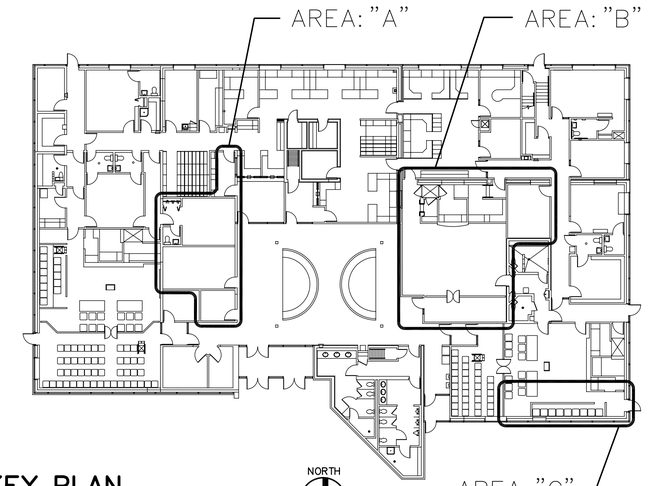
MARK	DATE	DESCRIPTION
	3/28/05	CONSTRUCTION DOCUMENTS

OWNER PROJECT NO: 05017150
ARCH. PROJECT NO: 04-47
CAD DWG FILE: GI-002.DWG
DRAWN BY: JBE
CHECKED BY: SPE
DESIGNED BY: SPE
COPYRIGHT: SCOTT P. EVANS ARCHITECT - 2005

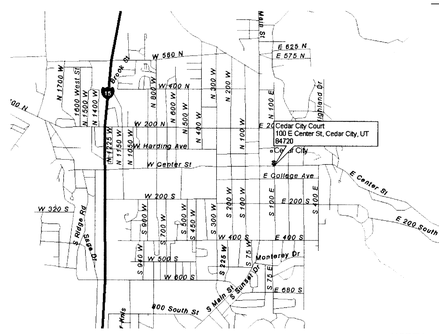
SHEET TITLE

GENERAL INFORMATION

GI-002
2 OF 26



A3 KEY PLAN
SCALE 1" = 20'-0"
NORTH
0 10' 20' 40



A5 VICINITY PLAN
SCALE: NONE
NORTH

GENERAL STRUCTURAL NOTES

GENERAL

1. The structural notes are intended to complement the project specifications. Specific notes and details in the drawings shall govern over the structural notes and typical details.
2. Typical details and sections shall apply where specific details are not shown.
3. The contractor shall verify all site conditions and dimensions. If actual conditions differ from those shown in the contract drawings, the contractor shall immediately notify the architect/engineer before proceeding with the fabrication or construction of any effected elements.
4. Omissions or conflicts between the contract drawings and/or specifications shall be brought to the attention of the architect/engineer before proceeding with any work involved. In case of conflict, follow the most stringent requirement as directed by the architect/engineer at no additional cost to the owner.
5. The contractor shall submit a written request to the architect/engineer before proceeding with any changes, substitutions or modifications. Any work done by the contractor before receiving written approval will be at the contractor's risk.
6. The contractor shall coordinate with all trades any items that are to be integrated into the structural system such as openings, penetrations, mechanical and electrical equipment, etc. Sizes and locations of mechanical and other equipment that differs from those shown on the contract drawings shall be reported to the architect/engineer.
7. The contractor shall provide adequate shoring and bracing as required for his method of erection. Shoring and bracing shall remain in place until final connections for the permanent members are completed. The building shall not be considered stable until all connections are completed. Walls shall not be considered self-supporting and shall be braced until the roof system is completed.
8. Site observations by BHB Consulting Engineers, P.C.'s field representative shall not be construed as approval of construction procedures nor special inspection.
9. Detailing and shop drawing production for structural elements will require information (including dimensions) contained in the architectural, structural and/or other consultants' drawings. The structural drawings shall be used in conjunction with the architectural and other consultant's drawings. Some dimensions and elements such as elevations, depressions, slopes, mechanical housekeeping pads, etc. are not shown in the structural drawings. All dimensions shown on structural drawings shall be verified by contractor with architectural, mechanical and electrical drawings.
10. Review of shop drawing submittals by BHB Consulting Engineers, P.C. is for general compliance only and is not intended for approval. The shop drawing review shall not relieve the contractor from the responsibility of completing the project according to the contract documents.
11. Shop drawings made from reproductions of the contract drawings will be rejected unless the contractor signs a release agreement prior to the shop drawings being reviewed.
12. Only an authorized representative of BHB Consulting Engineers, P.C. may make changes to these contract drawings. BHB Consulting Engineers, P.C. shall not be held responsible or liable for any claims arising directly or indirectly from changes made without written authorization by an authorized representative of BHB Consulting Engineers, P.C.

BASIS OF DESIGN

1. Governing Building Code — International Building Code 2003
2. Roof Snow Load
   a. Ground Snow Load — P_g = 43 psf
   b. Snow Importance Factor — I_s = 1.0
   c. Snow Exposure Coefficient — C_e = 1.0
   d. Thermal Exposure Coefficient — C_t = 1.0
   d. Roof Snow Load — $P_f = 0.7 * C_e * C_t * I_s * P_g$ = 30 psf plus Snow Drift

FOUNDATION

1. Soils Report by Kleinfelder, Dated June 6, 1990.
2. Soil Bearing Pressure: 1500 psf, on Compacted Fill.

EARTHWORK

1. Consult the project specifications and soils report for further earthwork requirements.

CONCRETE

1. Materials, unless noted otherwise:
   a. Normal weight aggregates — ASTM C 33
   b. Reinforcing Steel — ASTM 615 Grade 60 (Fy = 60 ksi) Use Grade 40 (Fy = 40 ksi) for field bent dowels with spacings indicated reduced by 1/3.
   c. Anchor Rods — ASTM F1554 Grade 36 with ASTM A563 heavy hex nuts with hardened washers
   d. Admixtures:
      i. Air-entraining admixtures comply with ASTM C 260 (when used).
      ii Calcium chloride shall not be added to the concrete mix.
   e. Type II cement complying with ASTM C-150 shall be used for all concrete.
   f. The water/cement ratios shall meet the requirements of ACI 318.
   g. Provide air entraining as recommended by ACI 318.
   h. No aluminum conduit or product containing aluminum or any other material injurious to concrete shall be embedded in concrete.
2. Compressive strengths of concrete at 28 days shall be as follows:
   a. Footings ..... 3,000 psi
   b. Interior Slabs on Grade ..... 3,000 psi
3. Only one grade or type of concrete shall be poured on the site at any given time.
4. The contractor shall be responsible for the design, detailing, care, placement and removal of all formwork and shores.
   a. Supporting forms and shoring shall not be removed until structural members have acquired sufficient strength to safely support their own weight and any construction load to which they may be subjected. In no case, however, shall forms and shoring be removed in less than 24 hours after concrete placement.
5. Reinforcement shall have the following concrete cover:
   Cast-in-place Concrete: ..... Clear Cover
   a. Cast against and permanently exposed to earth ..... 3"
   b. Formed concrete exposed to earth or weather:
      #6 thru #18 bars ..... 2"
      #5 and smaller bars ..... 1-1/2"
   c. Concrete not exposed to weather or in contact with ground:
      Slabs, Walls, Joists; #11 bars and smaller ..... 3/4"
      Beams, Columns: Primary Reinf., Ties, Stirrups, Spirals ..... 1-1/2"
6. Construction
   a. Use chairs or other support devices recommended by the CRSI to support and tie reinforcement bars and WWF prior to placing concrete. WWF shall be continuously supported at 36" o.c. maximum. Reinforcing steel for slabs on grade shall be adequately supported on precast concrete units. Lifting the reinforcing off the grade during placement of concrete is not permitted.
   b. Concrete to be mechanically consolidated during placement per ACI standards.
   c. Contractor shall coordinate placement of all openings, curbs, dowels, sleeves, conduits, bolts, inserts and other embedded items prior to concrete placement.
   d. All embeds and dowels shall be securely tied to formwork or to adjacent reinforcing prior to the placement of concrete.
   e. No pipes, ducts, sleeves, etc shall be placed in structural concrete unless specifically detailed or approved by the structural engineer. Penetrations through walls when approved shall be built into the wall prior to concrete placement. Penetrations will not be allowed in footings or grade beams unless detailed. Piping shall be routed around these elements and footings stepped to avoid piping.
   f. Reinforcing Bars shall not be welded unless specifically shown on drawings. In such cases, use only AWS standards. Do not substitute reinforcing bars for DBAs or HSAs.
7. Detailing:
   a. At joints provide reinforcing dowels to match the member reinforcing, unless noted otherwise.
   b. At all discontinuous control or construction slab on grade joints, provide 2 - #4 x 48 inches.

EPOXY

1. Epoxy shall be "HIT RE 500 " by Hilti Corporation, "Anchor-It" by Adhesive Technology Corporation, "Epcon Injection System" by Ramset/Redhead, "Power-Fast" by Rawl, or approved equal.
2. All drilled holes shall be 1/8 inch larger than the bar or anchor bolt being installed.
3. After drilling the proper size hole, clean the walls and bottom of the hole of all dust and debris using a nylon brush in conjunction with oil free compressed air. The hole shall be free of dust, debris and standing water.
4. Follow all manufacturer's recommendations for epoxy installation.

STRUCTURAL STEEL

1. Material:
   a. Wide Flanges Section — ASTM A992 (50 ksi)
   b. Other shapes & Plates — ASTM A36
   c. Steel Tubes — ASTM A500 Grade B (46KSI)
   d. Deformed Bar Anchors (DBA) — ASTM A496
   e. Headed Stud Anchors (HSA) — ASTM A108
   f. Anchor Bolts
      Gravity Columns — ASTM F1554, Grade 36, with ASTM A563 heavy hex nuts and hardened washers Grade A
   g. Bolted Connections: — ASTM A325
2. Fabrication and construction shall comply with the latest edition of the following Codes and Standards:
   a. American Institute of Steel Construction (AISC), "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings," with "Commentary".
   b. AISC "Code of Standard Practice" excluding the following: Section 3.4, Section 4.4, Section 4.4.1,
   c. AISC "Specification for Structural Joints Using ASTM A325 or A490 Bolts"
   d. American Welding Society (AWS), Structural Welding Code (specific items do not apply when they conflict with the AISC requirements).
   e. AISC "Seismic Provision for Structural Steel Buildings"
3. Welding
   a. All welding and cutting shall be performed by AWS certified welders.
   b. Use E-70 XX or as noted otherwise.
   c. All intersecting steel shapes which are not bolted shall be connected by a fillet weld all around, unless noted otherwise. Where fillet weld sizes are not shown they shall be 1/16" less than the thinnest of the connected parts for thicknesses 1/4" and larger. Fillet welds on plates less than 1/4" shall be of the same size as the thinnest of the connected part.
   d. Reinforcing Bars: Do not weld rebar except as specifically detailed in the drawings. In such cases, use only AWS standards.
   e. Do not weld anchor bolts, including "tack" welds.
4. Bolted Connections:
   a. Use ASTM A325N bolts for steel to steel connections, as noted herein or as noted on the drawings. A325N bolts shall be used in connections for simple span framing and beam (or girder) to bearing plate connections. Tighten bolts to a snug tight condition.
   b. Use hardened washers beneath the turned element of all bolts or nuts. Use hardened beveled washers, to compensate for the lack of parallelism, where the outer face of the bolted parts has a slope greater than one in twenty with respect to the plane normal to the bolt axis. At oversized holes hardened washers or plates shall conform with ASTM F-436 and shall completely cover the slot after installation.
   c. Where a steel to steel beam connection is not shown, provide a standard AISC framed connection for one half the total uniform load capacity of the beam for the span and steel specified.
   d. Bolts, nuts and washers shall not be reused.
5. Provide full-depth web-stiffener plates at each side of all beams at all bearing points. Stiffener plates shall be the thickness called out below unless noted otherwise and shall be welded both sides with fillet welds all around:

FLANGE WIDTH	STIFFENER THICKNESS	WELD SIZE
Less than 8 1/4"	1/4"	3/16"
8 1/4" to 12 1/4"	3/8"	1/4"
12 1/4" to 16 ½"	1/2"	5/16"
16 ½" to 20 ¾"	5/8"	3/8"

WOOD

1. Materials:
   a. Framing Lumber shall be # 2 Douglas Fir-Larch or better unless noted otherwise.
   b. Nails: Standard Common with the following properties:

Nail Size	Shank Diameter	Min. Penetration into Support Member
6d	0.113"	1.25"
8d	0.131"	1.50"
10d	0.148"	1.63"
12d	0.148"	1.63"
16d	0.162"	1.75"

   Fasteners other than common nails are not permitted without prior written approval from the engineer.
   c. Bolts shall be ASTM A36 or equal with ASTM A563 heavy hex nuts and hardened washers, Grade A, unless noted otherwise.
2. All wood in contact with concrete, masonry or soil shall be pressure treated or be redwood.
3. General framing and carpentry shall be connected as per "Minimum Nailing Schedule" on sheet SB601 unless noted otherwise.
4. All framing anchors, post caps, hold downs, column bases, etc. shall be provided by Simpson Strong-Tie or approved equal.
5. Provide solid shaped blocking at least 2 in.(nominal) thick and full depth of joist at ends and at each support of joist. Provide approved bridging at a 8'-0" o.c maximum between joist end supports. Solid blocking between joists shall be nailed to the wood plate at the top of the wall with one Simpson "A35" framing anchor per each piece of blocking. Fill all holes in the framing anchors with 8-d x 1-1/2" nails (12 nails per A35).

SPECIAL INSPECTION AND QUALITY ASSURANCE

Special inspection and quality assurance, as required by section 1704 of the IBC, shall be provided by an independent agency employed by the owner unless waived by the building official. The contractor shall coordinate and cooperate with the required inspections. All testing and inspection reports shall be sent to the engineer for review. Items requiring special inspection and quality assurance are:

1. Soils (IBC 1704.7)
2. Concrete placement (IBC Section 1704.4)
3. Bolts installed in concrete (IBC Section 1704.4)
4. Concrete reinforcing steel placement (IBC Section 1704.4)
5. Structural welding, including steel deck (IBC 1704.3)
6. High Strength bolted connections (IBC Section 1704.3.3)
7. Epoxy Anchors (IBC Section 1704.13)

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MARK	DATE	DESCRIPTION
0	3/28/05	CONST. DOCUMENTS

OWNER PROJECT NO:	05017150
STRUCT. PROJECT NO:	05011
CAD DWG FILE:	Q:\..05011_SJ001.DWG
DRAWN BY:	JM
CHECKED BY:	CH
DESIGNED BY:	JH

SHEET TITLE

GENERAL
STRUCTURAL
NOTES

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A Professional Corporation
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Salt Lake City, Utah 84103
Phone: 801.355.5656
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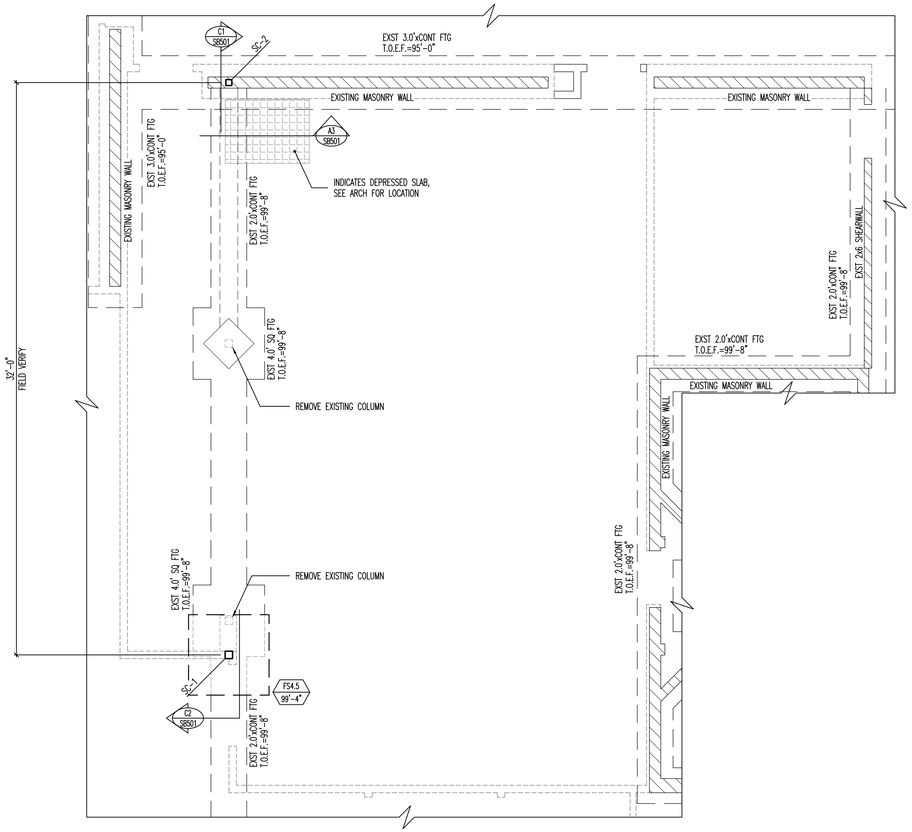
SJ001
3 OF 26

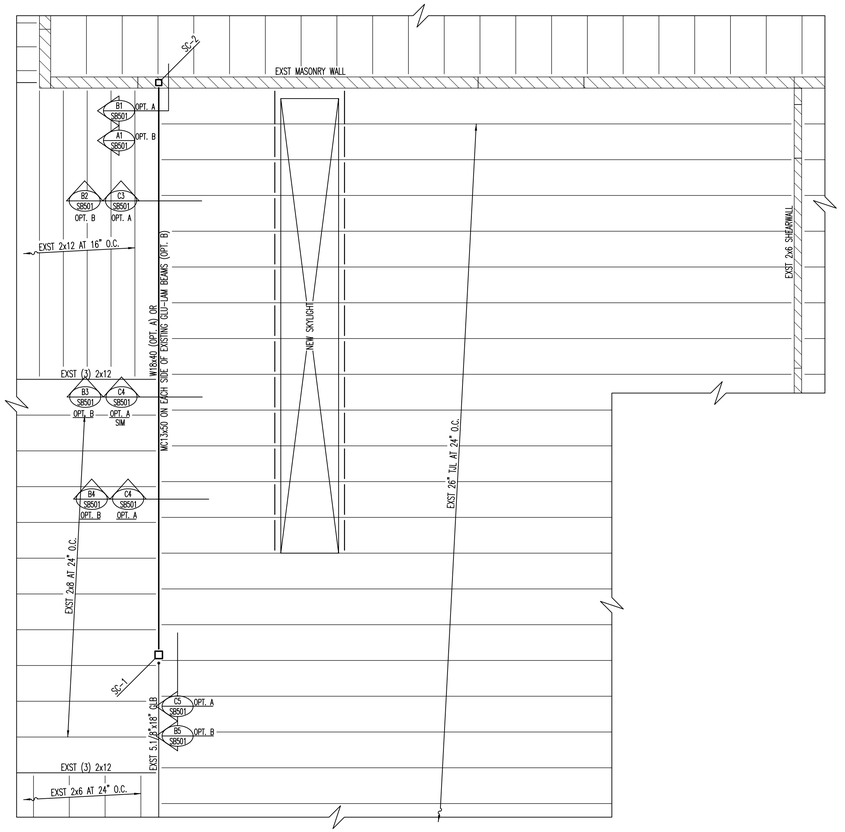


FOOTING AND FOUNDATION PLAN
PARTIAL PLAN 'B'

SCALE: 1/4"=1'-0"

0 4' 8' 16'

NORTH



ROOF FRAMING PLAN
PARTIAL PLAN 'B'

SCALE: 1/4"=1'-0"

0 4' 8' 16'

NORTH

STEEL S-NOTE-FTGS

MARKS AND SYMBOLS LEGEND

- SECTION MARK / SHEET NUMBER
- FOOTING DESIGNATION / TOP OF FOOTING ELEVATION
- FSxx — INDICATES SPOT FOOTING. SEE SCHEDULE ON SHEET SB601.
- SC-x — INDICATES STEEL COLUMN. SEE SCHEDULE ON SHEET SB601.

PLAN NOTES

1. ALL SPOT FOOTINGS SHALL BE CENTERED UNDER COLUMNS (UNO).
2. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO ALL STEEL COLUMNS.
3. VERIFY ALL ROOF OPENINGS FOR MECHANICAL SHAFTS, DRAINS, ETC. WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
4. CONCTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS.

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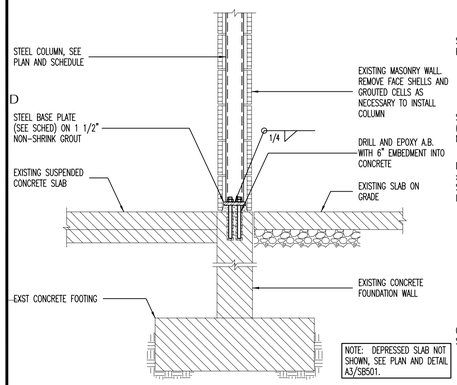
MARK	DATE	DESCRIPTION
0	3/28/05	CONST. DOCUMENTS

OWNER PROJECT NO:	05017150
STRUCT. PROJECT NO:	05011
CAD DWG FILE:	Q:\..05011_SB101.DWG
DRAWN BY:	JM
CHECKED BY:	CH
DESIGNED BY:	JH
COPYRIGHT:	SCOTT P. EVANS ARCHITECT - 2005

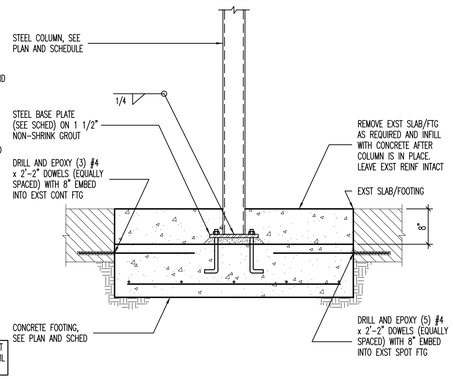
SHEET TITLE

PARTIAL STRUCTURAL PLANS

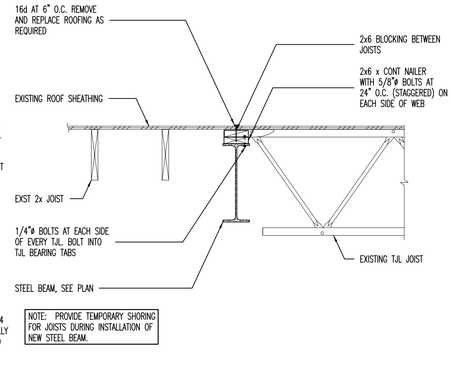
SB101
4 OF 26



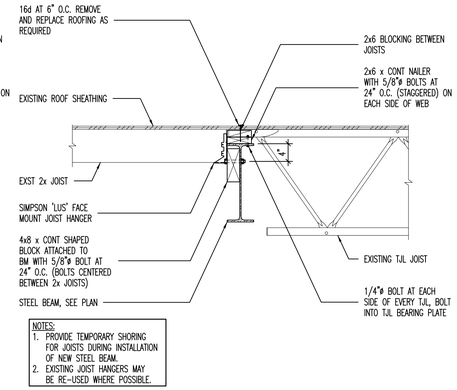
C1 NEW COLUMN ON EXISTING CONCRETE WALL
050113501 NO SCALE



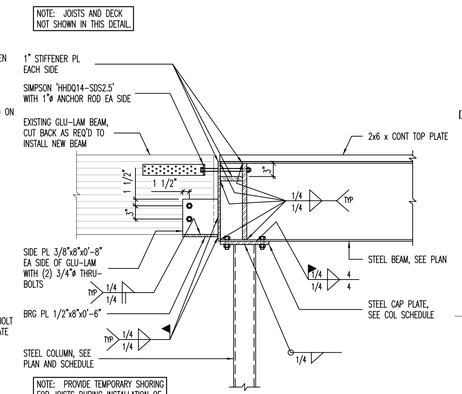
C2 NEW FOOTING/COLUMN IN EXISTING SLAB
050113502 NO SCALE



C3 NEW STEEL BEAM AT EXISTING WOOD JOISTS [OPTION A]
050113503 NO SCALE

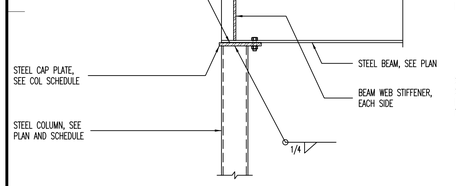


C4 NEW STEEL BEAM AT EXISTING WOOD JOISTS [OPTION A]
050113504 NO SCALE

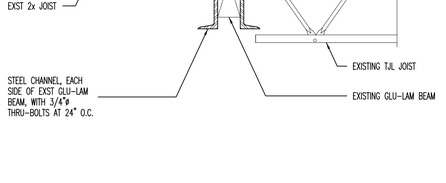


C5 NEW STEEL COLUMN/BEAM CONNECTION TO EXISTING GLU-LAM BEAM [OPTION A]
050113505 NO SCALE

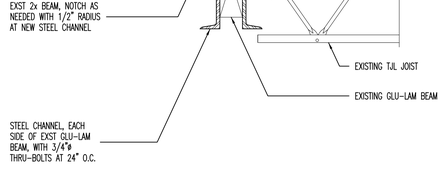
NOTE: EXISTING MASONRY WALL AND ROOF DECK ARE NOT SHOWN IN THIS DETAIL.



B1 STEEL BEAM BEARING AT STEEL COLUMN [OPTION A]
130AM-00 NO SCALE



B2 REINFORCED EXISTING GLU-LAM BEAM [OPTION B]
050113506 NO SCALE



B3 REINFORCED EXISTING GLU-LAM BEAM [OPTION B]
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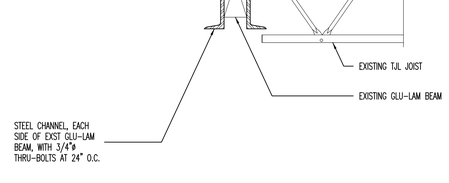

B4 REINFORCED EXISTING GLU-LAM BEAM [OPTION B]
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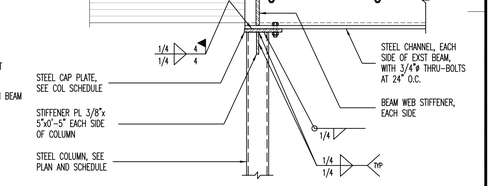
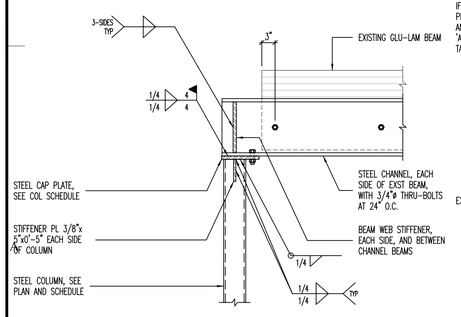
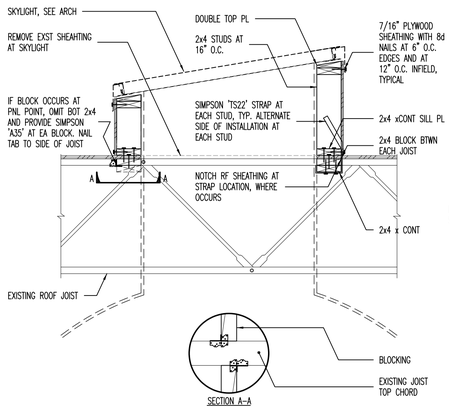


B5 REINFORCED GLU-LAM BEAM BEARING AT NEW STEEL COLUMN [OPTION B]
050113509 NO SCALE

NOTES:
1. PROVIDE TEMPORARY SHORING FOR EXISTING GLU-LAM BEAM UNTIL NEW CHANNELS ARE INSTALLED.
2. CUT AND REMOVE BOLTED SIDE CONNECTIONS ON GLU-LAM SO THAT NEW CHANNELS FIT FLUSH AGAINST GLU-LAM.
3. EXISTING ROOF DECK AND MASONRY WALL ARE NOT SHOWN IN THIS DETAIL.



A1 REINFORCED GLU-LAM BEAM BEARING AT NEW STEEL COLUMN [OPTION B]
050113510 NO SCALE



A2 SKYLIGHT DETAIL
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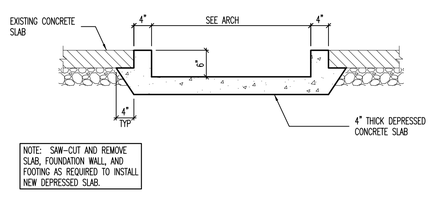

A3 DEPRESSED SLAB DETAIL
050113512 NO SCALE

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CEDAR CITY, UTAH 84501

MARK	DATE	DESCRIPTION
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OWNER PROJECT NO:	05017150
STRUCT. PROJECT NO:	05011
CAD DWG FILE:	Q:\..05011_SB501.DWG
DRAWN BY:	JM
CHECKED BY:	CH
DESIGNED BY:	JH
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SHEET TITLE
STRUCTURAL DETAILS

"Engineering Results"
BHB Consulting Engineers
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SB501
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CONCRETE FOOTING SCHEDULE

MARK	WIDTH	LENGTH	DEPTH	REINFORCING CROSSWISE				REINFORCING LENGTHWISE				COMMENTS
				No.	SIZE	LENGTH	SPACING	No.	SIZE	LENGTH	SPACING	
FS4.5	4'–6"	4'–6"	12"	4	#5	4'–0"	EQ	4	#5	4'–0"	EQ	

CONCRETE FOOTING NOTES:
1. PLACE ALL FOOTING REINFORCING IN THE BOTTOM OF THE FOOTING WITH 3" CLEAR CONCRETE COVER (UNO).
2. TOP REINFORCING, WHERE OCCURS, SHALL BE PLACED IN THE TOP OF THE FOOTING WITH 2" MINIMUM CONCRETE COVER.
3. IF FOOTINGS ARE EARTH–FORMED, FOOTINGS SHALL BE 6" LONGER AND WIDER THAN SCHEDULED.
4. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.
5. SOME SCHEDULED FOOTINGS MAY NOT BE USED, SEE FOOTING AND FOUNDATION PLAN FOR FOOTING MARKS.

C1 CONCRETE FOOTING SCHEDULE
SCHED_CONC_FTG–C2500–S1500

NO SCALE

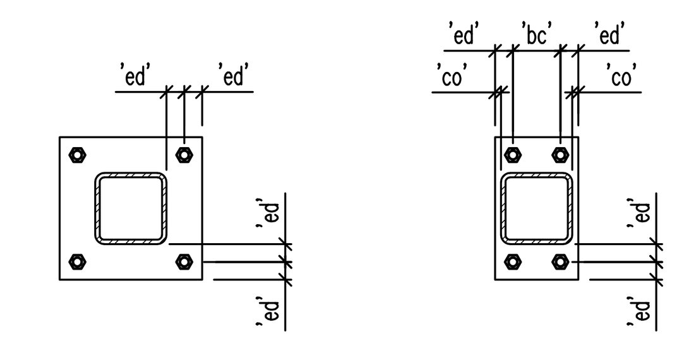
STEEL COLUMN SCHEDULE

MARK	SIZE	STEEL BASE PLATE	STEEL CAP PLATE	COMMENTS
SC–1	HSS5x5x5/16	3/4" (SBP–1)	1/2" (SCP–1)	.
SC–2	HSS4x4x3/16	3/4" (SBP–2)	1/2" (SCP–2)	

STEEL COLUMN NOTES:
1. UNLESS NOTED OTHERWISE, ALL COLUMNS SHALL BE INSTALLED WITH (4) 3/4"ø ANCHOR BOLTS WITH 3" MINIMUM HOOKS. PROJECT ANCHOR BOLTS 3" MINIMUM ABOVE THE TOP OF THE BASE PLATE. EMBEDMENT SHALL BE 9" MINIMUM. ALL BOLTS SHALL BE INSTALLED WITH HARDENED WASHERS BENEATH THE NUT. ANY BOLT HOLES LARGER THAN THE BOLT DIAMETER PLUS 5/16" SHALL HAVE 5/16" PLATE WASHERS INSTALLED BENEATH THE HARDENED WASHERS.
2. ALL CAP PLATE BOLTS SHALL BE 3/4"ø A325N BOLTS, TYPICAL UNLESS NOTED OTHERWISE.
3. ANCHOR BOLTS SHALL NOT BE WELDED (INCLUDING TACK WELDS).
4. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.
5. SEE DETAIL C1/SB501 FOR COLUMNS EMBEDDED IN EXISTING MASONRY WALLS.

STEEL BASE PLATE TYPES:

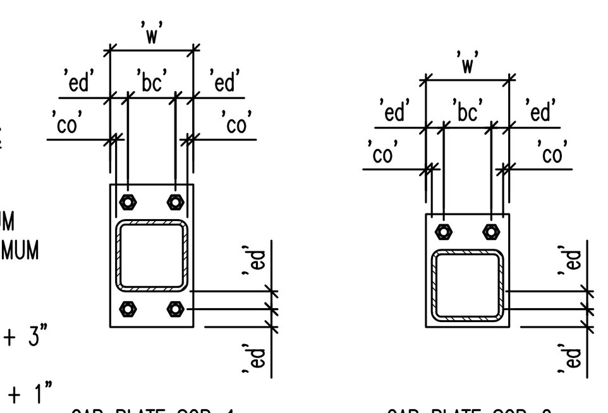
BASE PLATE LEGEND
co = 1/2" MINIMUM
ed = 1 1/2" MINIMUM
bc = 3" MINIMUM



BASE PLATE SBP–1 BASE PLATE SBP–2

STEEL CAP PLATE TYPES:

CAP PLATE LEGEND
co (OPTION A) = 1/2" MINIMUM
co (OPTION B) = 5 1/2" MINIMUM
ed = 1 1/2" MINIMUM
bc = BEAM OR GIRDER GAGE
w = BEAM OR GIRDER GAGE + 3"
OR
BEAM OR GIRDER WIDTH + 1"
OR
COLUMN WIDTH + 1"
WHICHEVER IS GREATER



CAP PLATE SCP–1 CAP PLATE SCP–2

C3 STEEL COLUMN SCHEDULE
SCHED_STL_COL–01

NO SCALE

MINIMUM NAILING SCHEDULE

CONNECTION	NAILING
SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16d AT 16" O.C.
BRIDGING TO JOIST, TOENAIL EACH END	(2) 8d
BLOCKING BETWEEN JOIST OR RAFTERS TO TOP PLATE, TOE NAIL	(3) 8d
RIM JOIST TO TOP PLATE, TOE NAIL	8d AT 6" O.C.
COLLAR TIE TO RAFTER, FACE NAIL	(3) 10d
JACK RAFTER TO HIP, TOE NAIL	(3) 10d
FACE NAIL	(2) 16d
ROOF RAFTER TO 2x RIDGE BEAM, TOE NAIL	(2) 16d
FACE NAIL	(2) 16d
JOIST TO BAND JOIST, FACE NAIL	(3) 16d
LEDGER STRIP, FACE NAIL	(3) 16d
TOP PLATE TO STUD, END NAIL	(2) 16d
DOUBLE STUDS, FACE NAIL	(2) 16d
DOUBLED TOP PLATES, FACE NAIL	16d AT 24" O.C.
TOP PLATES, LAPS & INTERSECTION, FACE NAIL	16d AT 16" O.C.
CONTINUOUS HEADER, TWO PIECES	(2) 16d
CEILING JOISTS TO PLATE, TOENAIL	16d AT 16" O.C. ALONG EACH EDGE
CONTINUOUS HEADER TO STUD, TOENAIL	(3) 8d
CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	(4) 8d
CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	(3) 16d
RAFTER TO PLATE, TOENAIL	(3) 16d
1" BRACE TO EACH STUD & PLATE, FACE NAIL	(3) 8d
BUILT–UP CORNER STUDS	(2) 8d
BUILT–UP GIRDER & BEAMS	20d AT 32" O.C. AT TOP, BOTTOM, AND STAGGERED. (2) 20d AT ENDS AND AT EACH SPLICE
PLYWOOD & PARTICLEBOARD:	
SUBFLOOR, ROOF & WALL SHEATHING (TO FRAMING)*	
1/2" AND LESS	8d
19/32" – 3/4"	8d OR 10d
7/8" – 1"	8d
1 1/8" – 1 1/4"	8d OR 10d
COMBINATION SUBFLOOR–UNDERLAYMENT (TO FRAMING)*	
3/4" AND LESS	6d
7/8" – 1"	8d
1 1/8" – 1 1/4"	8d OR 10d

* NAILS SPACED AT 6" O.C. AT EDGES, 12" O.C. AT INTERMEDIATE SUPPORTS (EXCEPT WHERE SPANS ARE 48" OR MORE, THEN SPACE AT 6" O.C. AT SUPPORTS). FOR NAILING OF DIAPHRAGMS AND SHEAR WALLS, REFER TO SHEARWALL SCHEDULE.

MINIMUM NAILING NOTES:
1. NAILING SCHEDULE IS PER TABLE 2304.9.1 OF THE I.B.C. 2003.
2. NAILING REQUIREMENTS SHOWN HERE DO NOT REPLACE HARDWARE SHOWN ON THE PLANS OR DETAILS.
3. ALL NAILS USED ARE COMMON NAILS.
4. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

C4 MINIMUM NAILING SCHEDULE
SCHED_WOOD_NAIL–01

NO SCALE

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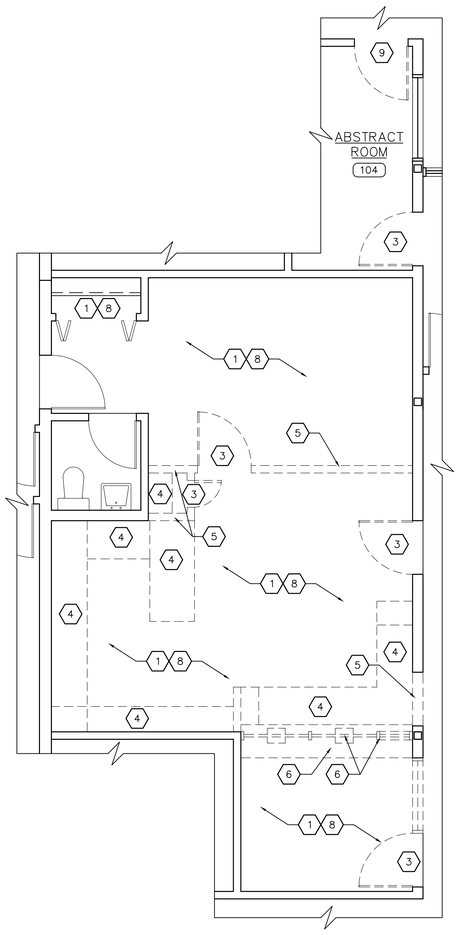
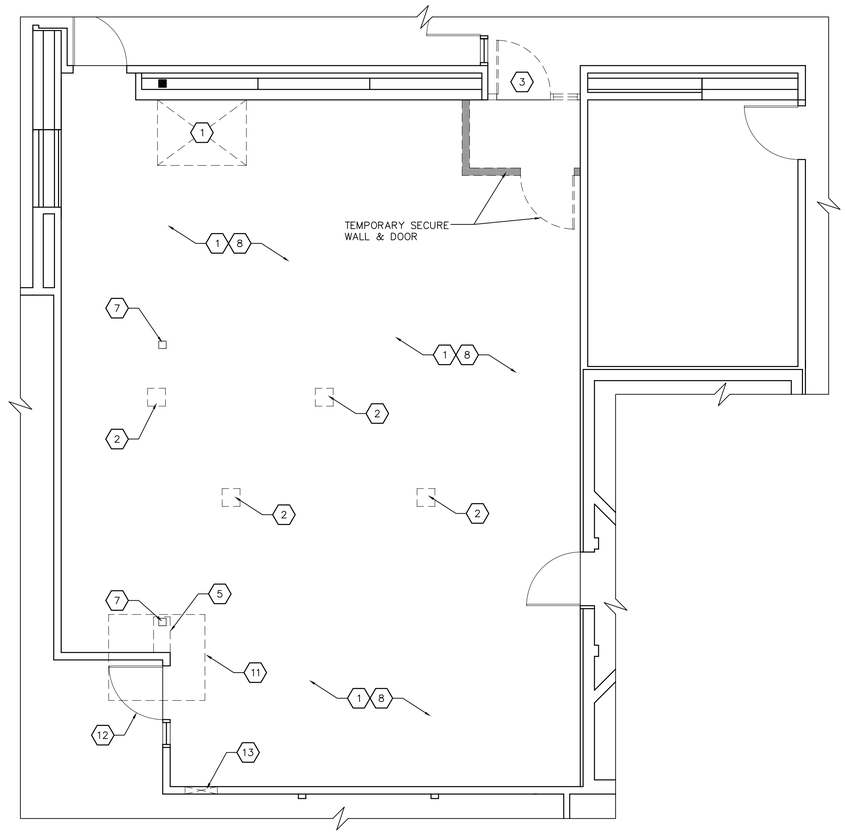
OWNER PROJECT NO: 05017150
STRUCT. PROJECT NO: 05011
CAD DWG FILE: Q:\..05011_SB601.DWG
DRAWN BY: JM
CHECKED BY: CH
DESIGNED BY: JH

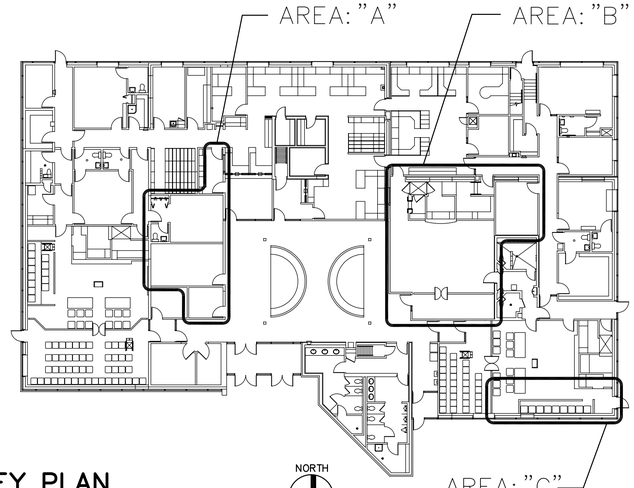
SHEET TITLE
SCHEDULES



B1 PARTIAL FLOOR DEMOLITION PLAN "A"
SCALE 1/4" = 1'-0"



B3 PARTIAL FLOOR DEMOLITION PLAN "B"
SCALE 1/4" = 1'-0"



A4 KEY PLAN
SCALE 1" = 20'-0"

KEYED NOTES

1. REMOVE EXTG. CARPET.
2. REMOVE EXTG. ELECTRICAL FLOOR BOXES – SEE ARCHITECTURAL FLOOR PLAN & ELECTRICAL DRAWINGS FOR LOCATION OF NEW FLOOR BOXES.
3. REMOVE EXTG. DOOR/FRAME AND ANY SIDELIGHT SYSTEM WHERE SHOWN.
4. REMOVE EXTG. MILLWORK.
5. REMOVE EXTG. WALL – SALVAGE WALL COVERING SALVAGE BASE FOR REUSE.
6. REMOVE EXTG. PUBLIC COUNTER TOP AND GLASS WALL SYSTEM.
7. EXTG. COLUMNS TO BE REMOVED – SEE STRUCTURAL DRAWINGS.
8. REMOVE EXTG. LAY-IN CEILING SYSTEM & PROVIDE NEW LAY-IN CEILING SYSTEM – SEE AE-102.
9. REMOVE EXTG. DOOR (ONLY) – SALVAGE HARDWARE FOR REUSE.
10. SAWCUT & REMOVE EXTG. CONCRETE FOR NEW PIT FOR LIFT.
11. SAWCUT & REMOVE EXTG. CONCRETE FOR NEW FOOTING – SEE STRUCTURAL DRAWINGS.
12. REMOVE DOOR AS REQUIRED FOR REMODELING IN THIS AREA.
13. CUT HOLE IN WALL FOR BRINGING IN NEW STEEL BEAMS – PATCH AS REQUIRED TO MATCH EXTG. VINYL WALL COVERING SURFACES.

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OWNER PROJECT NO: 05017150
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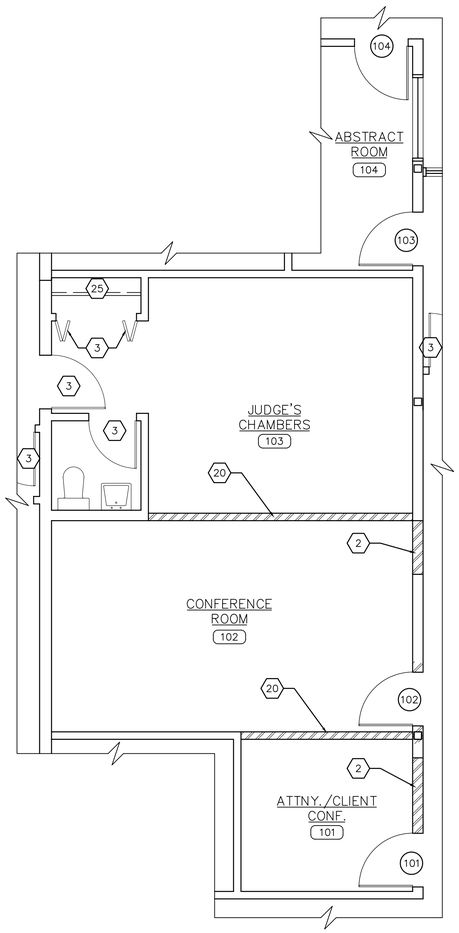
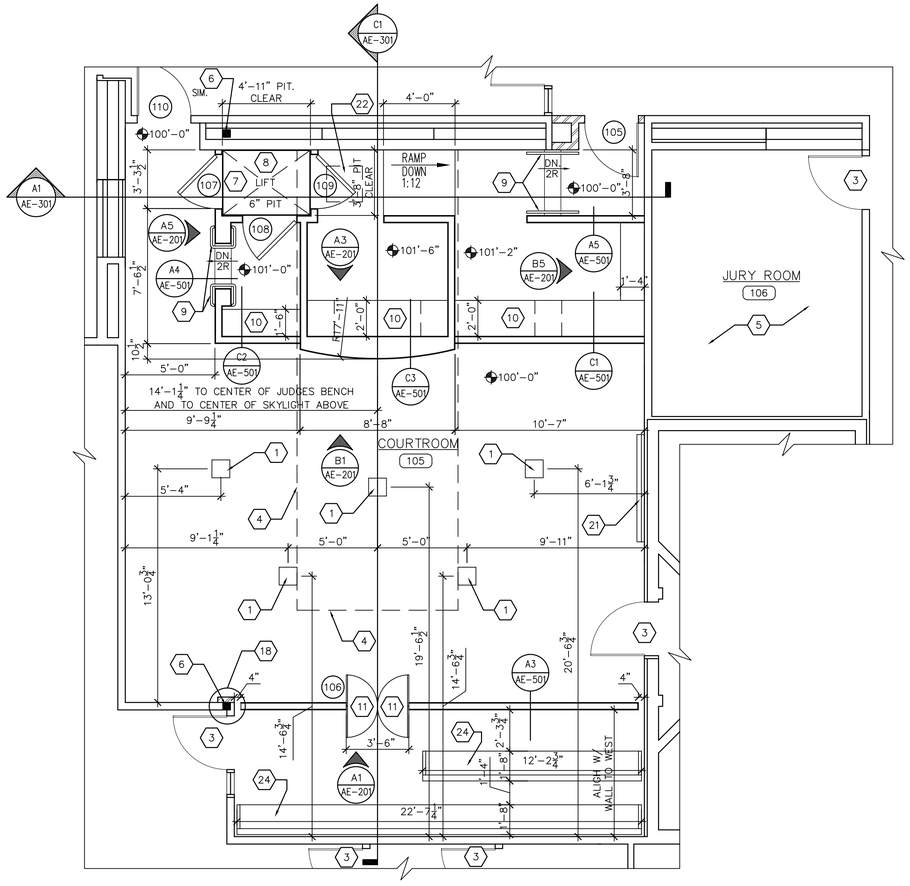
DRAWN BY: JBE
CHECKED BY: SPE
DESIGNED BY: SPE

SHEET TITLE
DEMOLITION PLANS & KEYED NOTES

AD-101
7 OF 26



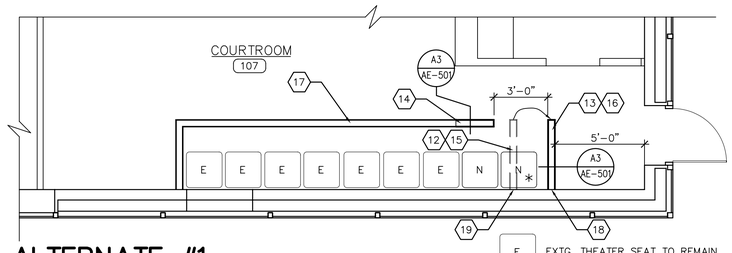


B1 PARTIAL FLOOR PLAN "A"

SCALE 1/4" = 1'-0"

B3 PARTIAL FLOOR PLAN "B"

SCALE 1/4" = 1'-0"

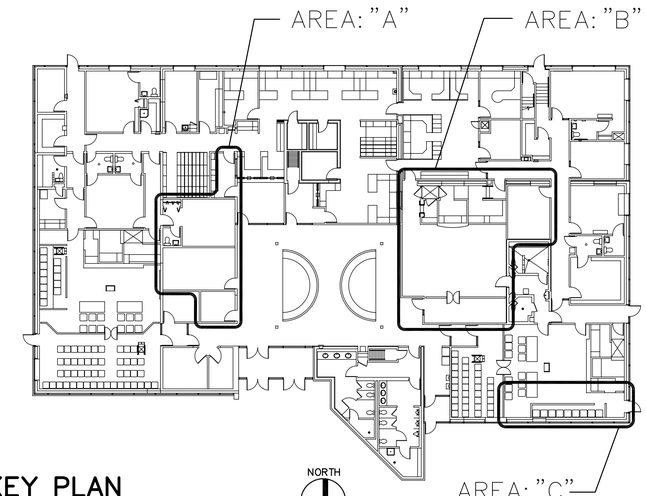


A1 ALTERNATE #1 PARTIAL FLOOR PLAN "C"

SCALE 1/4" = 1'-0"

E EXTG. THEATER SEAT TO REMAIN

N * FURNISH & INSTALL NEW THEATER SEAT TO MATCH EXTG. *REMOVABLE W/ QUICK RELEASE – SEE SPEC.



A4 KEY PLAN

SCALE 1" = 20'-0"

KEYED NOTES

1. INSTALL NEW ELECTRICAL FLOOR BOXES AT LOCATIONS SHOWN – REFER TO ELECTRICAL DRAWINGS.
2. FIELD VERIFY EXTG. WALL THICKNESS & CONSTRUCT NEW SECTION OF WALL TO MATCH THICKNESS AS REQ'D. – FINISH TRANSITION BETWEEN NEW & EXTG. WALLS TO PROVIDE A FLUSH APPEARANCE – PAINT EACH SIDE OF WALL TO NEAREST CORNER.
3. EXTG. DOOR TO REMAIN.
4. SKYLIGHT ABOVE REFER TO DETAILS INDICATED.
5. SEE FINISHED SCHEDULE FOR WORK IN THIS ROOM.
6. NEW COLUMN IN WALL SEE STRUCTURAL DRAWINGS – PATCH WALL AS REQ'D. – SEE C5–AE/503.
7. WHEELCHAIR LIFT – SEE SPEC.
8. 3'–8" X 4'–9¾" X 6" DEEP RECESSED SLAB/PIT FOR WHEELCHAIR LIFT – SEE DETAIL.
9. HANDRAIL – SEE SPEC.
10. PLASTIC LAMINATE COUNTER TOP.
11. CENTER GATE IN SKYLIGHT/JUDGE'S BENCH.
12. REMOVE EXTG. MILLWORK RAIL.
13. INSTALL NEW MATCHING MILLWORK RAIL.
14. EXTEND RAIL AS INDICATED – MATCH EXTG.
15. PATCH CARPET WITH THAT TAKEN FROM NEW RAIL LOCATION.
16. CAREFULLY CUT AND REMOVE CARPET UNDER NEW RAIL LOCATION FOR REINSTALLATION AT REMOVED RAIL LOCATION.
17. EXTG. MILLWORK RAIL TO REMAIN.
18. CAREFULLY CUT/STEAM OFF EXISTING FABRIC WALL COVERING FOR REINSTALLATION AT REMOVED RAIL LOCATION.
19. PATCH WALL COVERING WITH THAT TAKEN FROM NEW RAIL LOCATION.
20. CONSTRUCT NEW SOUND RATED WALL WITH 3⅝" 20 GA. METAL STUDS @ 16" O.C. WITH ⅝" TYPE "X" GYP. BD. EACH SIDE – EXTEND FROM FLOOR TO DECK ABOVE – SEAL TIGHT AROUND ANY PENETRATIONS AND SEAL TIGHT TO DECK ABOVE – PROVIDE 3" SOUND ATTENUATION BLANKET BETWEEN STUDS AND ½" RESILIENT CHANNELS AT 16" O.C. UNDER GYP. BD. ON ONE SIDE OF STUD ONLY – CAULK PERIMETER WITH ACOUSTICAL CAULK.
21. RELOCATE EXTG. MARKER BD. AND PROJECTION SCREEN WHERE SHOWN – PROTECT FROM DAMAGE DURING CONSTRUCTION.
22. NEW 24"X24" ACCESS PANEL FOR LIFT EQUIPMENT.
23. NEW 14"X14" ACCESS PANEL FOR FLOOR BOX (E).
24. NEW PEWS – SEE SPEC.
25. EXTG. SHELVES TO REMAIN.

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CAD DWG FILE:	AE-101.DWG
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CHECKED BY:	SPE
DESIGNED BY:	SPE
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SHEET TITLE

FLOOR PLANS & KEYED NOTES

AE-101
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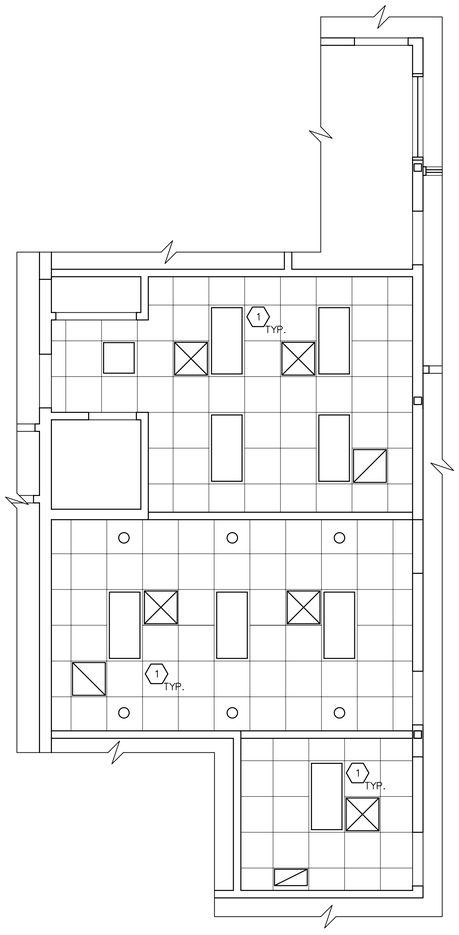
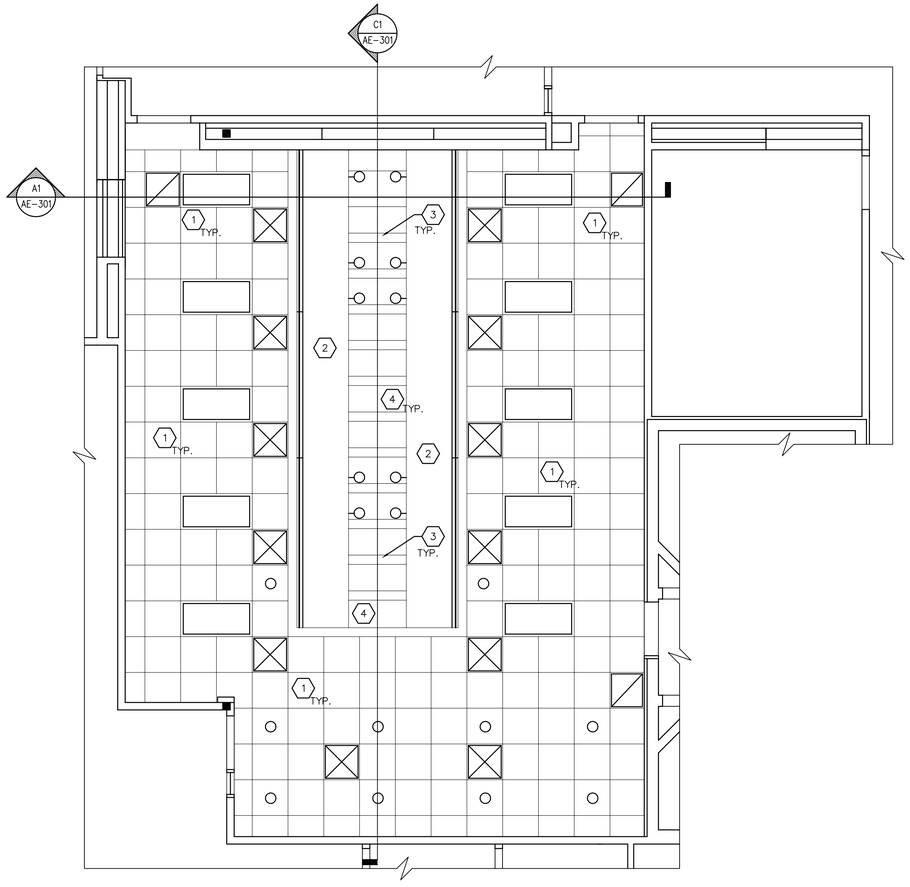




KEYED NOTES

1. PROVIDE NEW 2X2 LAY-IN CEILING SYSTEM.
2. NEW CURVED SUSPENDED GYP. BD. CEILING.
3. WRAP EXTG. TJL JOISTS WITH GYP. BD.
4. NEW SKYLIGHT ABOVE.

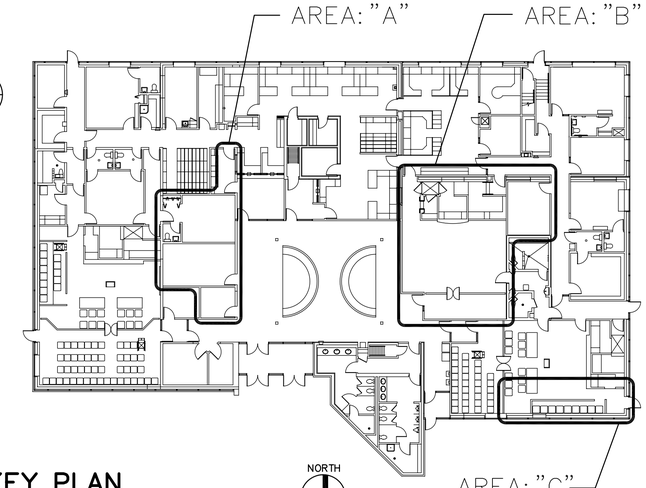
B1 PARTIAL REFLECTED CEILING PLAN "A"
SCALE 1/4" = 1'-0"
NORTH
0 2' 4' 8'

B3 PARTIAL REFLECTED CEILING PLAN "B"
SCALE 1/4" = 1'-0"
NORTH
0 2' 4' 8'

SYMBOLS

- NEW 2X4 RECESSED LIGHT FIXTURE – SEE ELECTRICAL DRAWINGS
- NEW 1X4 SURFACE MOUNTED LIGHT FIXTURE – SEE ELECTRICAL DRAWINGS
- NEW INCANDESCENT LIGHT FIXTURE – SEE ELECTRICAL DRAWINGS
- NEW HVAC SUPPLY AIR GRILLE – SEE MECHANICAL DRAWINGS
- NEW HVAC RETURN AIR GRILLE – SEE MECHANICAL DRAWINGS
- EXHAUST GRILLE – SEE MECHANICAL DRAWINGS
- 5/8" GYP. BD. ON SUSPENSION SYSTEM
- PAINTED CONCRETE CEILING

COORDINATE ALL ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS. FINAL LOCATIONS OF ALL LIGHTS, DIFFUSERS, EQUIPMENT, ETC., IF SHOWN DIFFERENTLY FROM EACH OTHER SHALL BE DETERMINED BY THE ARCHITECT.



A4 KEY PLAN
SCALE 1" = 20'-0"
NORTH
0 10' 20' 40

NO CEILING CHANGES

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2005 MISCELLANEOUS REMODELING
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MARK	DATE	DESCRIPTION
	3/28/05	CONSTRUCTION DOCUMENTS

OWNER PROJECT NO:	05017150
ARCH. PROJECT NO:	04-47
CAD DWG FILE:	AE-102.DWG
DRAWN BY:	JBE
CHECKED BY:	SPE
DESIGNED BY:	SPE

SHEET TITLE
REFLECTED CEILING PLANS & KEYED NOTES

AE-102
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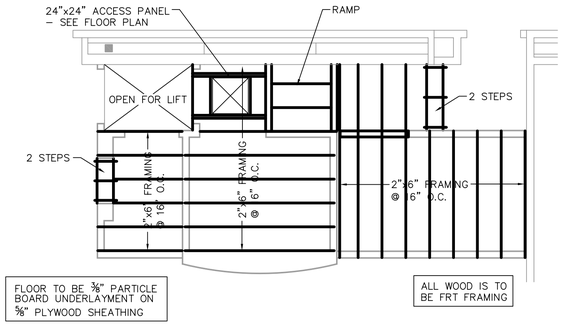
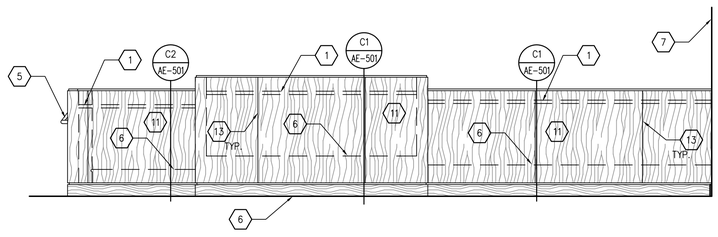
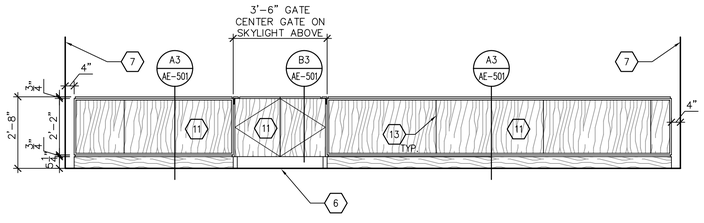


C1 PLATFORM FRAMING PLAN
SCALE 1/4" = 1'-0"

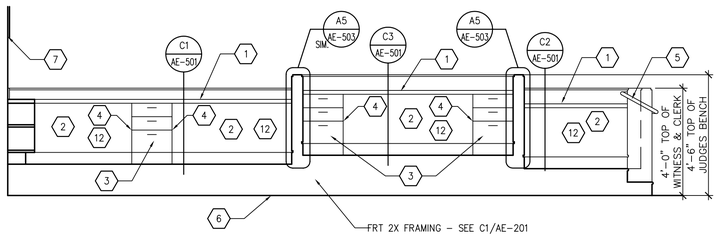
NORTH
0 2' 4' 8'



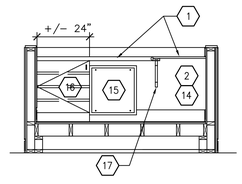
B1 ELEVATION
SCALE 3/8" = 1'-0"
0 2' 4' 6'



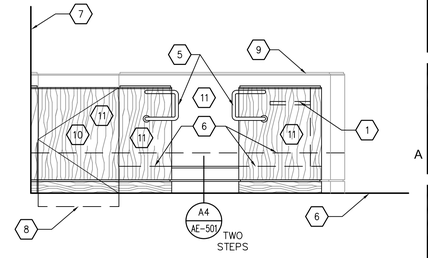
A1 ELEVATION
SCALE 3/8" = 1'-0"
0 2' 4' 6'



A3 ELEVATION
SCALE 3/8" = 1'-0"
0 2' 4' 6'



B5 ELEVATION
SCALE 3/8" = 1'-0"
0 2' 4' 6'



A5 ELEVATION
SCALE 3/8" = 1'-0"
0 2' 4' 6'

KEYED NOTES

1. PLASTIC LAMINATE COUNTER TOP.
2. KNEE SPACE.
3. 18" DRAWER CABINET W/ FILE DRAWER (WOOD).
4. FINISHED END.
5. HANDRAIL – SEE SPEC.
6. FLOOR LINE.
7. WALL LINE.
8. 6" PIT FOR WHEELCHAIR LIFT.
9. JUDGES BENCH BEYOND.
10. DOOR TO WHEELCHAIR LIFT.
11. ½" THICK HARDWOOD VENEER MDF CORE PLYWOOD PANEL WITH MATCHING GRAIN – SEE SPEC.
12. REMOVABLE ¾" PLASTIC LAMINATE PANEL UNDER DESK TOPS ONLY.
13. TIGHT JOINT.
14. NO BACK.
15. EXTG. ELECTRICAL JUNCTION BOX.
16. BASE CABINET FOR AUDIO EQUIPMENT– VERIFY FINAL SIZE WITH EQUIPMENT SUPPLIER WITH THREE ADJUSTABLE SHELVES.
17. COUNTERTOP BRACE.

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ARCH. PROJECT NO:	04-47
CAD DWG FILE:	AE-201.DWG
DRAWN BY:	JBE
CHECKED BY:	SPE
DESIGNED BY:	SPE

SHEET TITLE
INTERIOR ELEVATIONS & KEYED NOTES

AE-201
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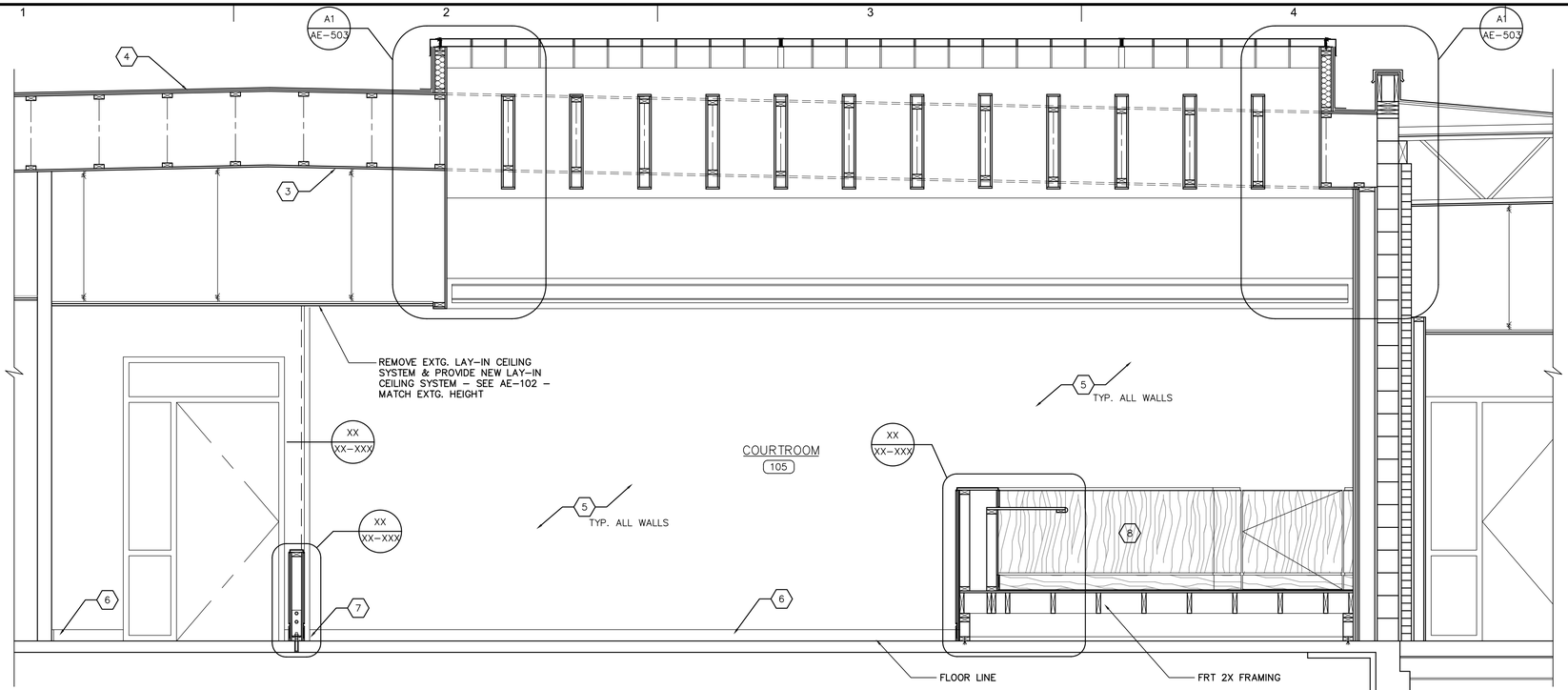
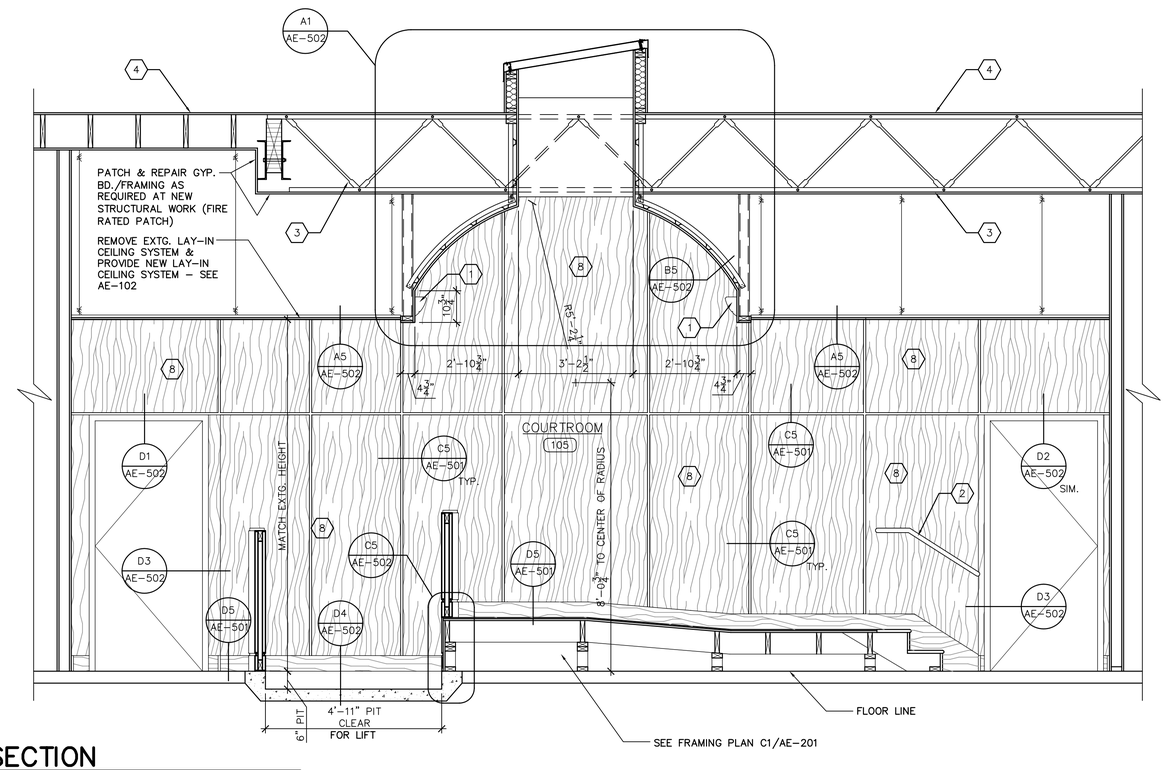


C1 SECTION
SCALE 1/2" = 1'-0"
0 1' 2' 4'



A1 SECTION
SCALE 1/2" = 1'-0"
0 1' 2' 4'

KEYED NOTES

1. LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS.
2. HAND RAIL - SEE SPEC.
3. EXTG. TJL FRAMING WITH 5/8" GYP. BD. ATTACHED TO BOTTOM FLANGE PATCH AND REPAIR AS REQUIRED.
4. ROOF MEMBRANE - PATCH & REPAIR AS REQUIRED.
5. EXISTING VINYL WALL COVERING PROTECT FOR DAMAGE.
6. EXISTING WOOD BASE - PROTECT FROM DAMAGE.
7. REPAIR BASE WHERE WALL WAS REMOVED.
8. ¾" THICK HARDWOOD VENEER MDF CORE PLYWOOD PANEL WITH MATCHING CORE - AT WALL SUBSTRATE IS 9/16" PARTICLE BD. BACKING.

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	3/28/05	CONSTRUCTION DOCUMENTS

OWNER PROJECT NO: 05017150
ARCH. PROJECT NO: 04-47
CAD DWG FILE: AE-301.DWG
DRAWN BY: JBE
CHECKED BY: SPE
DESIGNED BY: SPE
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SHEET TITLE
SECTIONS

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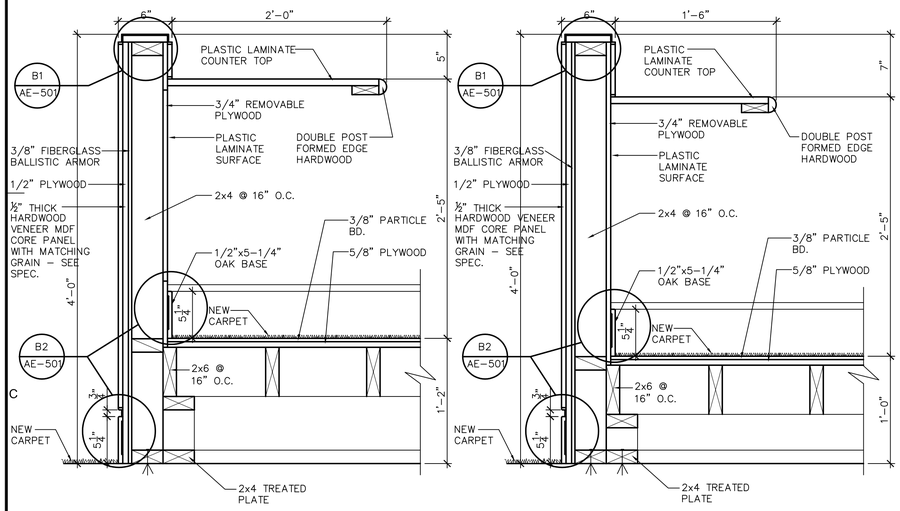
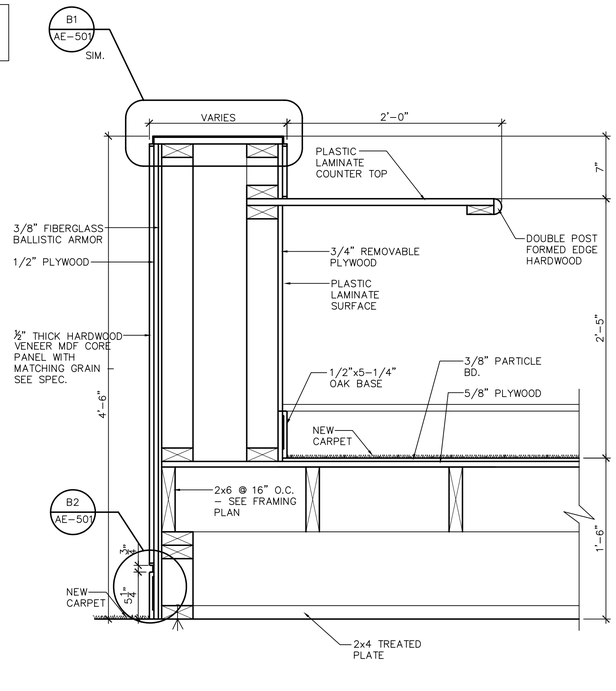
ALL FLOOR FRAMING IS TO BE FRT



C1 BENCH DETAIL @ CLERK
SCALE 1 1/2" = 1'-0"

C2 BENCH DETAIL @ WITNESS
SCALE 1 1/2" = 1'-0"



C3 BENCH DETAIL @ JUDGES
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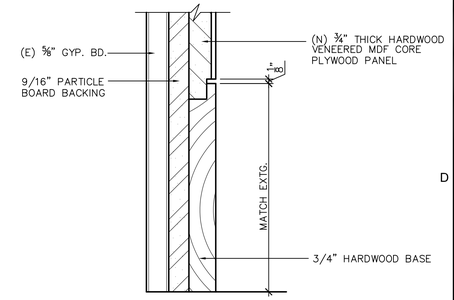
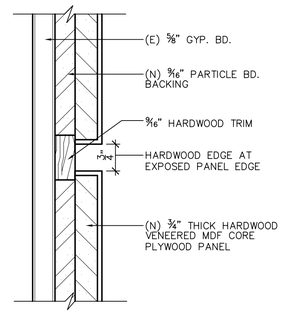
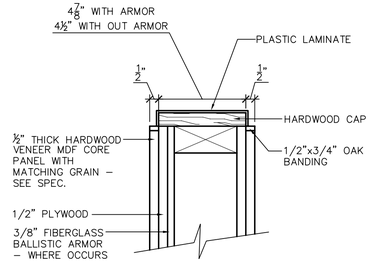


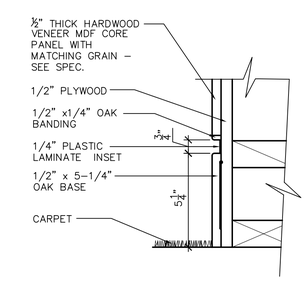
D5 BASE DETAIL
SCALE 6" = 1'-0"



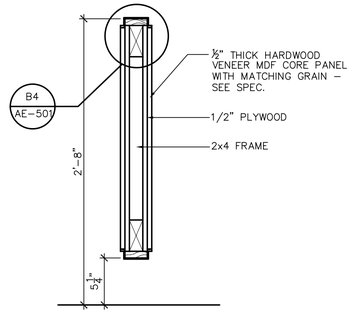
C5 WALL REVEAL DETAIL
SCALE 6" = 1'-0"



B1 DETAIL
SCALE 3" = 1'-0"



B2 DETAIL
SCALE 3" = 1'-0"



B3 GATE DETAIL
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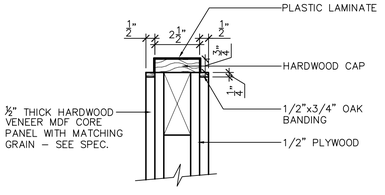
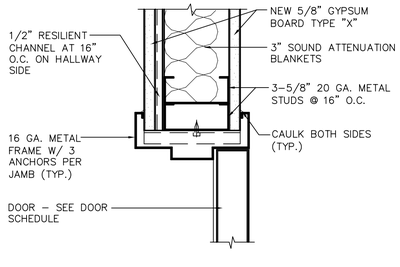
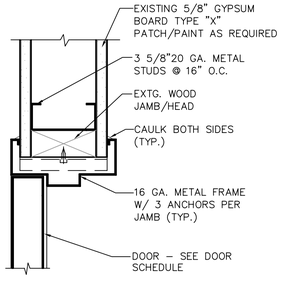


B4 DETAIL
SCALE 3" = 1'-0"



A1 DOOR JAMB DETAIL (HEAD SIM.)
SCALE 3" = 1'-0"



A2 DOOR JAMB DETAIL (HEAD SIM.)
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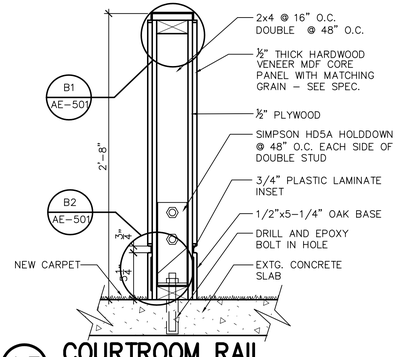
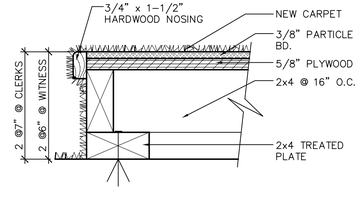
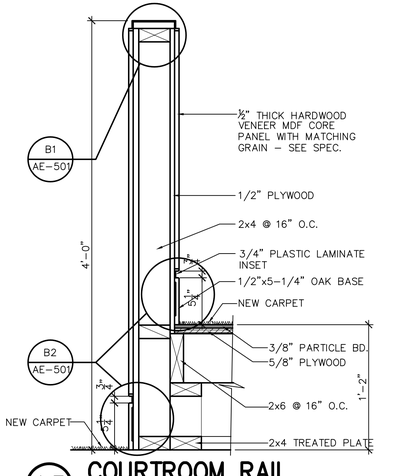


A3 COURTROOM RAIL
SCALE 1 1/2" = 1'-0"



A4 STEP DETAIL
SCALE 3" = 1'-0"



A5 COURTROOM RAIL
SCALE 1 1/2" = 1'-0"

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MARK	DATE	DESCRIPTION
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OWNER PROJECT NO: 05017150
ARCH. PROJECT NO: 04-47
CAD DWG FILE: AE-501.DWG
DRAWN BY: JBE
CHECKED BY: SPE
DESIGNED BY: SPE

SHEET TITLE
DETAILS

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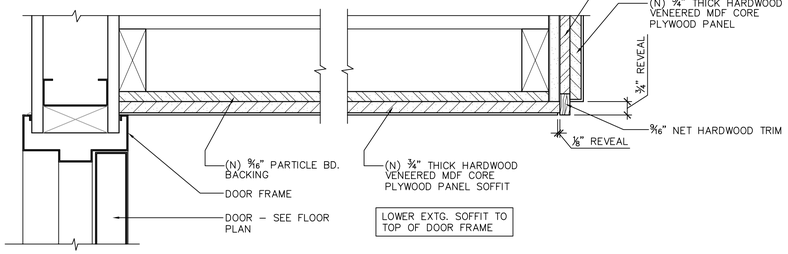

D1 SOFFIT DETAIL

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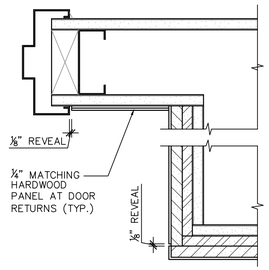

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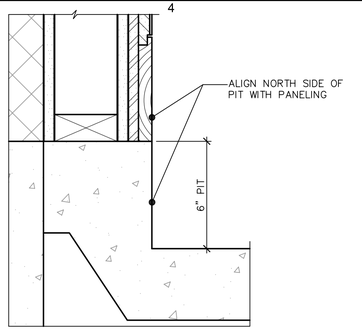

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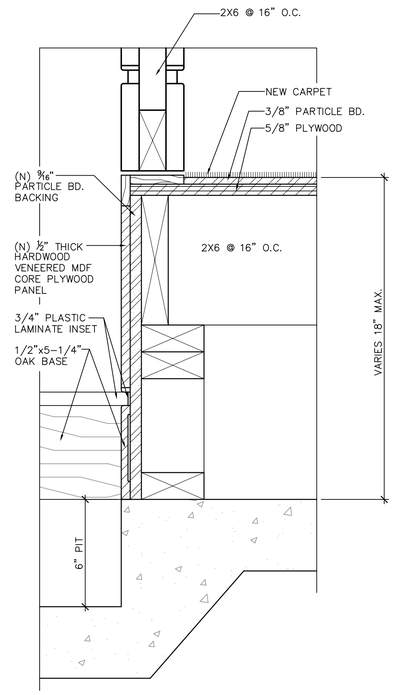
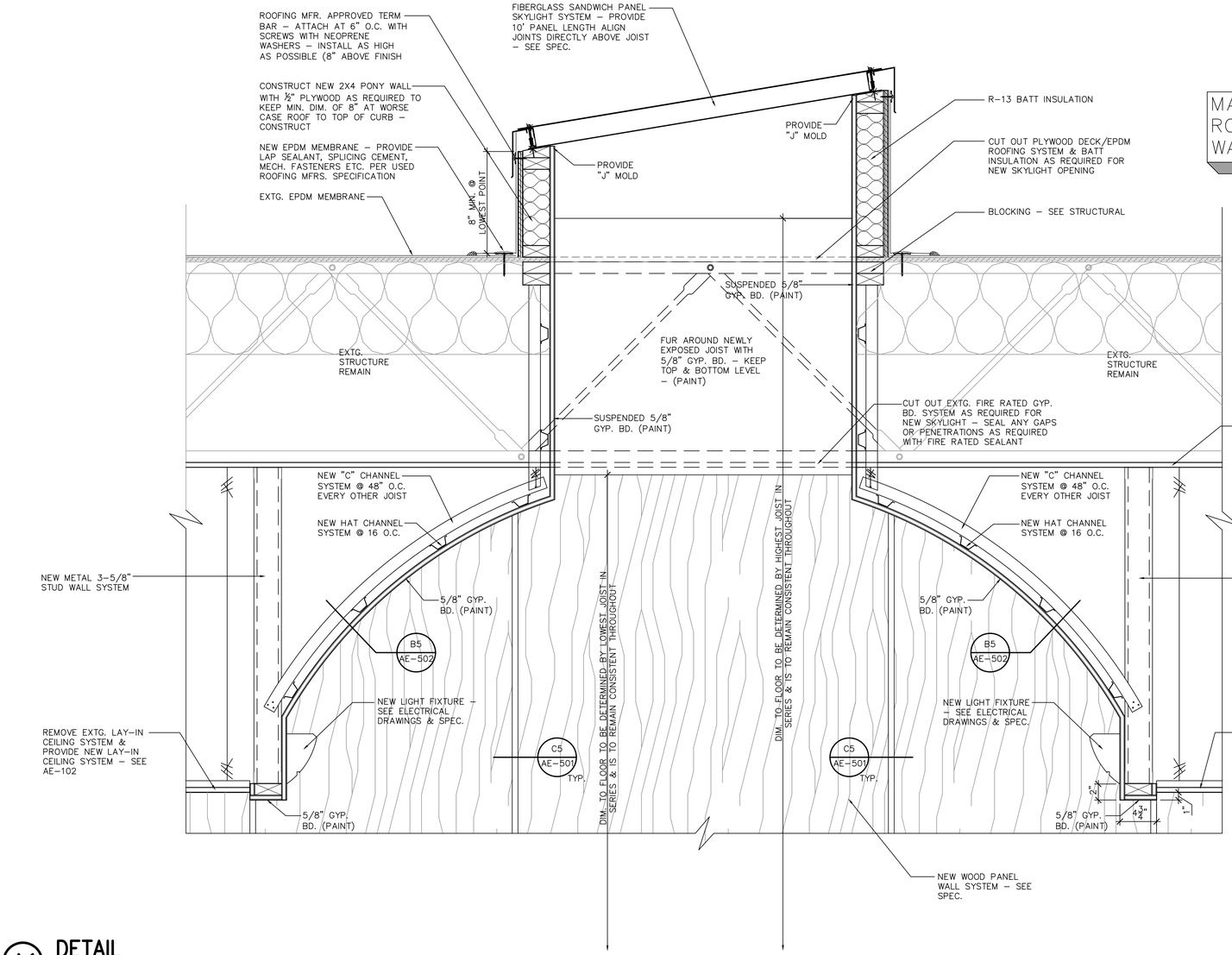


C5 DETAIL

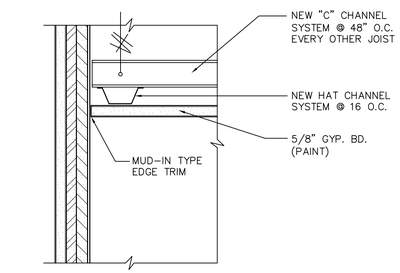
SCALE 3" = 1'-0"



A1 DETAIL

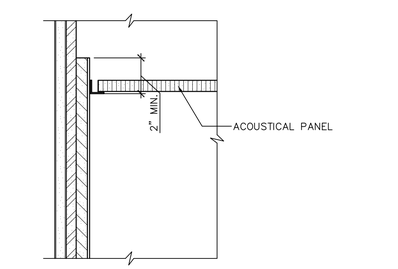
SCALE 1 1/2" = 1'-0"

MAINTAIN ROOF WARRANTY



B5 CEILING TO WALL DETAIL

SCALE 3" = 1'-0"



A5 CEILING TO WALL DETAIL

SCALE 3" = 1'-0"

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OWNER PROJECT NO:	05017150
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CAD DWG FILE:	AE-502.DWG
DRAWN BY:	JBE
CHECKED BY:	SPE
DESIGNED BY:	SPE

SHEET TITLE
DETAILS

AE-502
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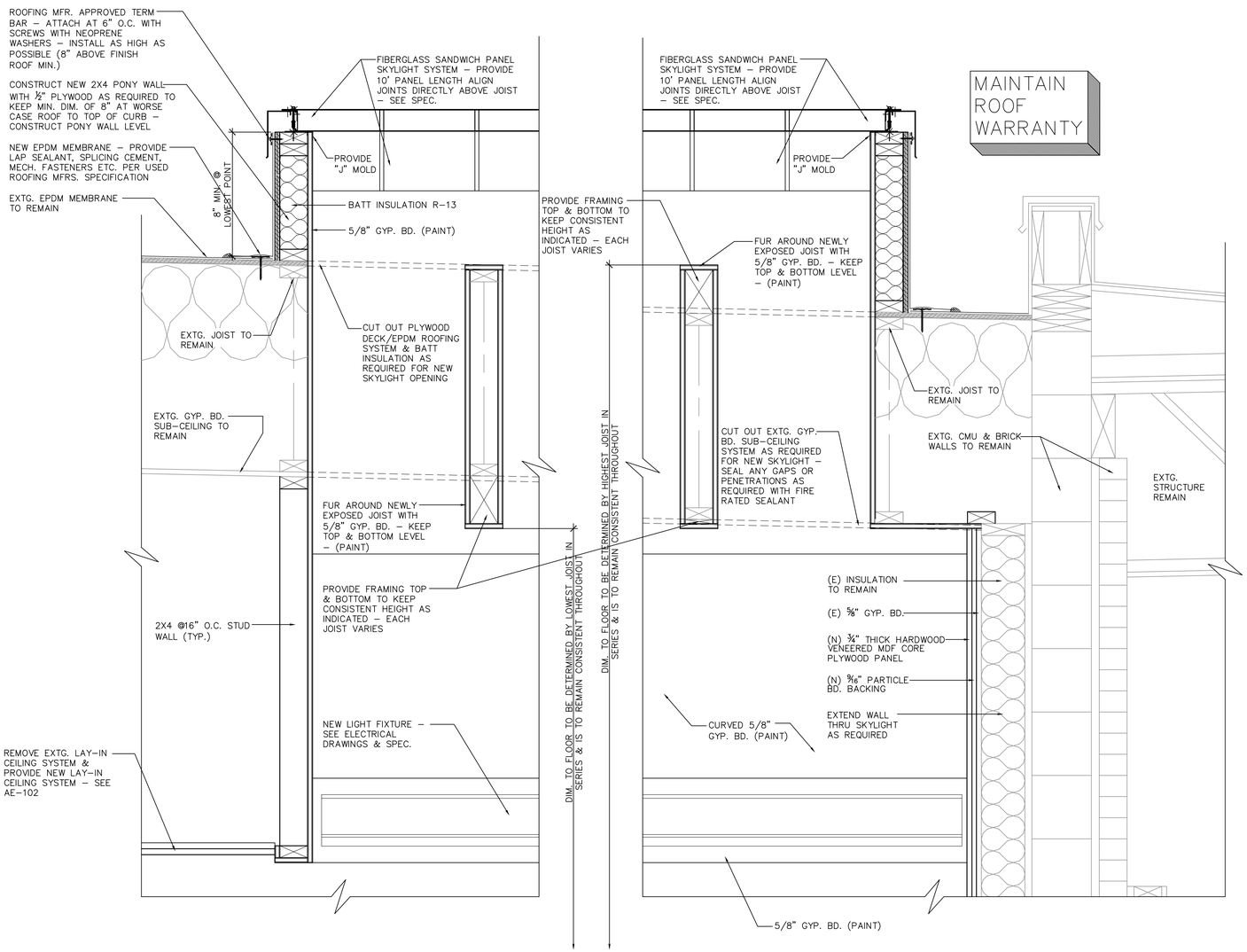

A1 DETAIL
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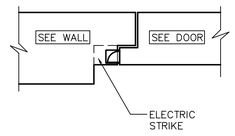
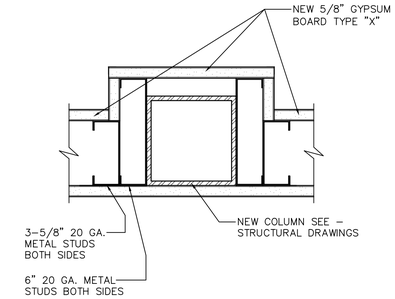


D5 GATE JAMB DETAIL
SCALE 6" = 1'-0"



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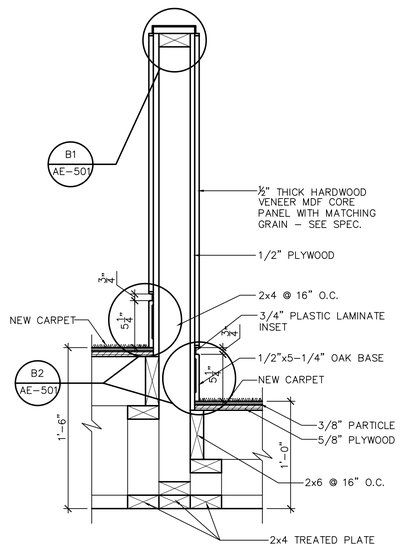

A5 DETAIL
SCALE 1 1/2" = 1'-0"

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2005 MISCELLANEOUS
REMODELING
100 EAST CENTER STREET
CEDAR CITY, UTAH 84501

MARK	DATE	DESCRIPTION
	3/28/05	CONSTRUCTION DOCUMENTS

OWNER PROJECT NO: 05017150
ARCH. PROJECT NO: 04-47
CAD DWG FILE: AE-503.DWG
DRAWN BY: JBE
CHECKED BY: SPE
DESIGNED BY: SPE
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SHEET TITLE
DETAILS

AE-503
14 OF 26

ROOM FINISH SCHEDULE

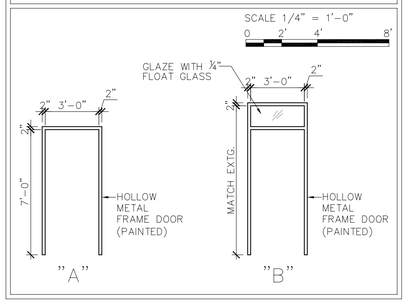
ROOM		FLOOR	BASE	WALLS								CEILING			REMARKS
				NORTH		EAST		SOUTH		WEST					
NUMBER	NAME			MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	HEIGHT	
101	Attny./Client Conf.	Carpet	Rubber	Gyp. Bd.	Paint	Gyp. Bd.	Paint	Gyp. Bd.	Paint	Gyp. Bd.	Paint	2x2 Susp. Panel	None		
102	Conference Room	Carpet	Rubber	Gyp. Bd.	Paint	Gyp. Bd.	Paint	Gyp. Bd.	Paint	Gyp. Bd.	Paint	2x2 Susp. Panel	None		
103	Judge's Chambers	Carpet	Wood	Gyp. Bd.	V.W.C.	Gyp. Bd.	V.W.C.	Gyp. Bd.	V.W.C.	Gyp. Bd.	V.W.C.	2x2 Susp. Panel	None		
104	Abstract Room					"No New Finishes"									Patch/Paint if needed.
105	Courtroom	New Carpet	*Extg. Base*	Hardwood Paneling	Transparent Finish	Extg. Gyp. Bd.	Extg. V.W.C.	Extg. Gyp. Bd.	Extg. V.W.C.	Extg. Gyp. Bd.	Extg. V.W.C.	2x2 Susp. Panel/Gyp. Bd.	None/Paint	Varies/10'-0"	*Patch & repair walls & base as required*
106	Jury Room	Extg. Carpet	Extg. Base	Extg. Gyp. Bd.	New Paint	Extg. Gyp. Bd.	New Paint	Extg. Gyp. Bd.	New Paint	Extg. Gyp. Bd.	New Paint	Extg.	Extg.		
107	Courtroom	Extg. Carpet/Patch	Extg. Base/Patch	Extg.	Extg.	Extg.	Extg.	Extg./Patch	Extg./V.W.C.	Extg.	Extg.	Extg.	Extg.		

DOOR SCHEDULE

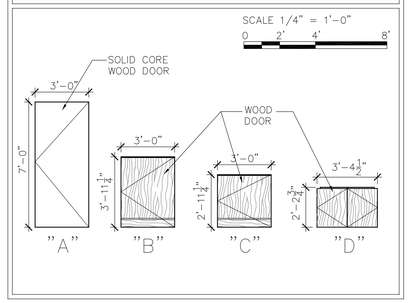
* FIELD VERIFY ALL DIMENSIONS *

MARK	DOOR							FRAME/OPENING						SIGNAGE	HDWR	REMARKS
	SIZE			TYPE	MATERIAL	LABEL	FINISH	TYPE	MATERIAL	HEAD DETAIL	JAMB(R) DETAIL	JAMB(L) DETAIL	THRESHOLD DETAIL			
#	WIDTH	HGT	THK													
101	3'-0"	7'-0"	1-3/4"	A	SC Wood	None	Transparent	B	*Hollow Metal*		A2/AE-501	A2/AE-501	A2/AE-501		H-1	Frame to match wall thickness
102	3'-0"	7'-0"	1-3/4"	A	SC Wood	None	Transparent	B	*Hollow Metal*		A2/AE-501	A2/AE-501	A2/AE-501		H-1	Frame to match wall thickness
103	"Existing"											"Existing"			H-2	Modify frame to remove electric strike
104	3'-0"	7'-0"	1-3/4"	A	SC Wood	None	Transparent	A	Extg.			"Existing"			H-3	New door in extg. frame - install electric strike
105	3'-0"	7'-0"	1-3/4"	A	SC Wood	20 Min.	Transparent	A	Hollow Metal	A1/AE-501	A1/AE-501	A1/AE-501	A1/AE-501		H-4	Install matching panel veneer
106	1'-9" PAIR	2'-2-3/4"	3-1/2"	D	Wood	None	Transparent	None	None	B3/AE-501					H-5	
107	3'-0"	3'-11 1/4"	2-1/4"	B	Wood	None	Transparent	None	None						H-6	
108	3'-0"	2'-11 1/4"	2-1/4"	C	Wood	None	Transparent	None	None						H-6	
109	3'-0"	2'-11 1/4"	2-1/4"	C	Wood	None	Transparent	None	None						H-6	
110	"Existing"											"Existing"			H-1	Install matching panel veneer - adjust hinges/hardware so door closes

DOOR FRAMES



DOOR TYPES



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CEDAR CITY COURT
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DESIGNED BY: SPE

SHEET TITLE
SCHEDULES

AE-601
15 OF 26

LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS

SINGLE LINE	DOUBLE LINE	
		POSITIVE PRESSURE DUCT - RISE
		POSITIVE PRESSURE DUCT - DROP
		NEGATIVE PRESSURE DUCT - RISE
		NEGATIVE PRESSURE DUCT - DROP
		ROUND DUCT - RISE
		ROUND DUCT - DROP
		UNDER FLOOR DUCT
		TURNING VANES
		FRESH AIR LOUVER
		RELIEF AIR OR EXHAUST AIR LOUVER
	12X12 200	CEILING SUPPLY DIFFUSER
	20X20 200	CEILING RETURN REGISTER
	12X12 200	CEILING EXHAUST REGISTER, (BALANCE TO MATCH SUPPLY IF RETURN CFM IS NOT SHOWN)
	24X10 200	SIDEWALL SUPPLY REGISTER
	24X10 200	SIDEWALL EXHAUST OR RETURN REGISTER
	12X12 200	CEILING SUPPLY DIFFUSER WITH FLEXIBLE DUCT
	24/24	CEILING RETURN AIR GRILE W/ SOUND BOOT
	3-1" SLOTS @ 48" 400	LINEAR DIFFUSER WITH PLENUM AND FLEXIBLE DUCT CONNECTION. NO. OF SLOTS ON TOP, ACTIVE LENGTH AND CFM ON BOTTOM
		FLEXIBLE DUCT CONNECTION
		FLEXIBLE DUCT
		FAN
12/8 FO	12/8 FO	FLAT OVAL DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
12/8	12/8	RECTANGULAR DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
12"ø	12"ø	ROUND DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
UP	UP	INCLINED RISE
DN	DN	INCLINED DROP
	W R	R/W=1. ROUND DUCT SIMILAR TO RECTANGULAR
12/12 8/8	12/12 8/8	RECTANGULAR TO RECTANGULAR OR ROUND TO ROUND DUCT TRANSFORMATION MAXIMUM 15° INCLUDED ANGLE EXCEPT WHERE SHOWN OTHERWISE.
9/9 9"ø	9/9 9"ø	RECTANGULAR TO ROUND DUCT TRANSFORMATION
	R	BRANCH DUCT SPLIT WITH 6" WIDTH AND MIN. R=WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL.
RECT. TO ∅		TAP ENTRY AREA EQUALS 150% OF BRANCH AREA
		HIGH EFFICIENCY FITTING
		MANUAL VOLUME DAMPER
FD	FD	FIRE DAMPER IN DUCT, W/ ACCESS PANEL REQD.
FSD	FSD	COMBINATION FIRE/SMOKE DAMPER W/ ACCESS PANEL
SD	SD	SMOKE DAMPER W/ ACCESS PANEL
ATC OR	ATC OR	ATC DAMPER
AD	AD	ACCESS PANEL IN DUCT OR PLENUM
		HEATING OR COOLING COIL IN DUCT
		SINGLE DUCT AIR TERMINAL BOX VARIABLE OR CONSTANT VOLUME. MIN. 1-1/2 TERMINAL INLET SIZE STRAIGHT DUCT AT TERMINAL INLET.

TOP FIGURES INDICATE NECK SIZE. BOTTOM FIGURE INDICATES CFM.

WITH RESPECT TO AIR FLOW 15° NOMINAL INCLINE WITH RADIUS TURNS=DEPTH OF DUCT.

	4-WAY BLOW PATTERN
	3-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	1-WAY BLOW PATTERN
LPC	LOW PRESSURE CONDENSATE
MPC	MEDIUM PRESSURE CONDENSATE
HPC	HIGH PRESSURE CONDENSATE
LPS	LOW PRESSURE STEAM
MPS	MEDIUM PRESSURE STEAM
HPS	HIGH PRESSURE STEAM
BBD	BOILER BLOW DOWN
BF	BOILER FEED WATER
V	VACUUM
	PUMPED CONDENSATE
MUW	MAKE UP WATER
G	NATURAL GAS
(E)name	EXISTING PIPING
CHVS	CHILLED WATER SUPPLY
CHVR	CHILLED WATER RETURN
CS	CONDENSER WATER SUPPLY
CR	CONDENSER WATER RETURN
HWS	HEATING HOT WATER SUPPLY
HWR	HEATING HOT WATER RETURN
GHR	GLYCOL HEAT RECOVERY PIPING
GNAME)	GLYCOL PIPING SOLUTION
LPG	LIQUIFIED PETROLEUM GAS
(NAME)	EXISTING PIPING TO BE REMOVED
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
HG	HOT GAS
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
HFS	HELICOPTER FUEL SUPPLY
HFR	HELICOPTER FUEL RETURN
CF	CHEMICAL FEED
	SOLENOID VALVE
	EXPANSION JOINT
	ALIGNMENT GUIDE
	DEMOLITION
	AHCHOR
	PRESSURE GAUGE WITH SHUT-OFF COCK
	PRESSURE GAUGE WITH PIGTAIL
	FLANGE

	UNION
GPM LB/HR	FLOW METER ORIFICE
	AIR VENT-MANUAL
A	AIR VENT-AUTO
	FLOW SWITCH
	TEMPERATURE AND PRESSURE TEST PORT
	PRESSURE SWITCH
RPBP	REDUCED PRESSURE BACKFLOW PREVENTOR W/ DRAIN PAN
	PRESSURE REDUCING, SELF CONTAINED VALVE
	PRESSURE REDUCING, EXTERNAL PRESSURE VALVE
	BALL VALVE (PIPE SIZES 2" AND SMALLER) BUTTERFLY VALVE (PIPE SIZES 2-1/2" AND LARGER)
	CHECK VALVE
	MOTOR OPERATED BUTTERFLY VALVE
	GAS COCK
	RELIEF VALVE
	GATE VALVE
	ATC VALVE - 2 WAY
C	ATC VALVE - 3 WAY
	GLOBE VALVE
GPM	FLOW CONTROL VALVE
	CALIBRATED BALANCING VALVE
	SHUT-OFF COCK FOR USE WITH PRESSURE GAUGE
	PUMP
	FLEXIBLE CONNECTION
	FLOW METER
	90° ELBOW
	45° ELBOW
	REDUCER
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	LATERAL STRAINER WITH BLOW-OFF VALVE, PROVIDE HOSE END WITH CAP WHERE DISCHARGE IS NOT PIPED TO DRAIN
	THERMOMETER 0-100°F
T	THERMOSTAT
TN	NIGHT THERMOSTAT
S	SENSOR
F&T	STEAM TRAP, F&T=FLOAT & THERMOSTATIC B=BUCKET, T=THERMOSTATIC
SD	DUCT SMOKE DETECTOR
	ARROW INDICATES DIRECTION OF FLOW IN PIPE
DN	LEADER INDICATES DOWNWARD SLOPE
	PIPE INTO PLANE
	PIPE OUT OF PLANE
	PIPE BRANCH - IN TO PLANE
	PIPE BRANCH - OUT OF PLANE
	PIPE BRANCH - IN PLANE

	NRS GATE VALVE WITH SUPERVISION
	FLOW SWITCH
	HOSE VALVE
RD	ROOF DRAIN
RDO	ROOF DRAIN OVERFLOW
	CLEAN-OUT
	FLOOR CLEAN-OUT OR CLEAN-OUT TO GRADE
VTR	VENT THRU ROOF
	DOMESTIC COLD WATER (DCW)
	DOMESTIC HOT WATER (DHW)
	DOMESTIC HOT WATER RETURN (DHWR)
	SEWER (BELOW GRADE)
	SEWER (ABOVE GRADE)
	VENT (SEWER)
P-1	PLUMBING FIXTURES
	POINT OF CONNECTION
A M1-1	SECTION TAG - TOP FIGURE IS SECTION NO. BOTTOM FIGURE IS SHEET NO.
1 M1-1	DETAIL TAG - TOP FIGURE IS DETAIL NO. BOTTOM FIGURE IS SHEET NO.
EF 1	EQUIPMENT IDENTIFICATION
1	KEYED NOTE IDENTIFICATION
SW	SOFT DOMESTIC WATER (SW)
AW	ACID WASTE
AV	ACID VENT
HP(NAME)	HIGH PRESSURE DOMESTIC WATER
RO	REVERSE OSMOSIS WATER SUPPLY
ROR	REVERSE OSMOSIS WATER RETURN
OX	MEDICAL OXYGEN
OX 120	MEDICAL OXYGEN AT PRESSURE INDICATED
MA	MEDICAL AIR
MA 120	MEDICAL AIR AT PRESSURE INDICATED
MV	MEDICAL VACUUM
N	NITROGEN
N2O	NITROUS OXIDE
CO2	CARBON DIOXIDE
IA	INSTRUMENT AIR
IA 120	INSTRUMENT AIR AT PRESSURE INDICATED
CA	COMPRESSED AIR
LA	LAB AIR
LV	LAB VACUUM
B	BRINE
S	FIXTURE FROM LEVEL ABOVE

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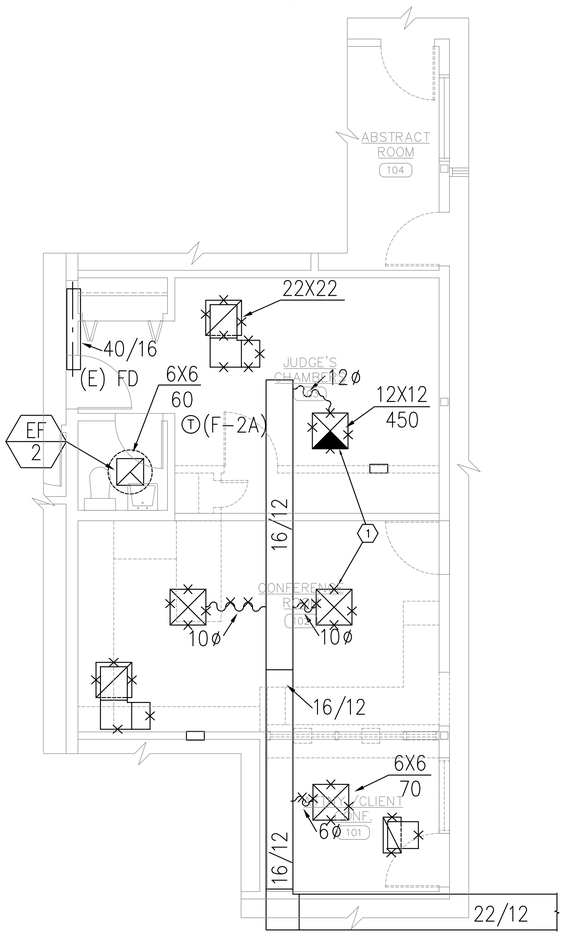
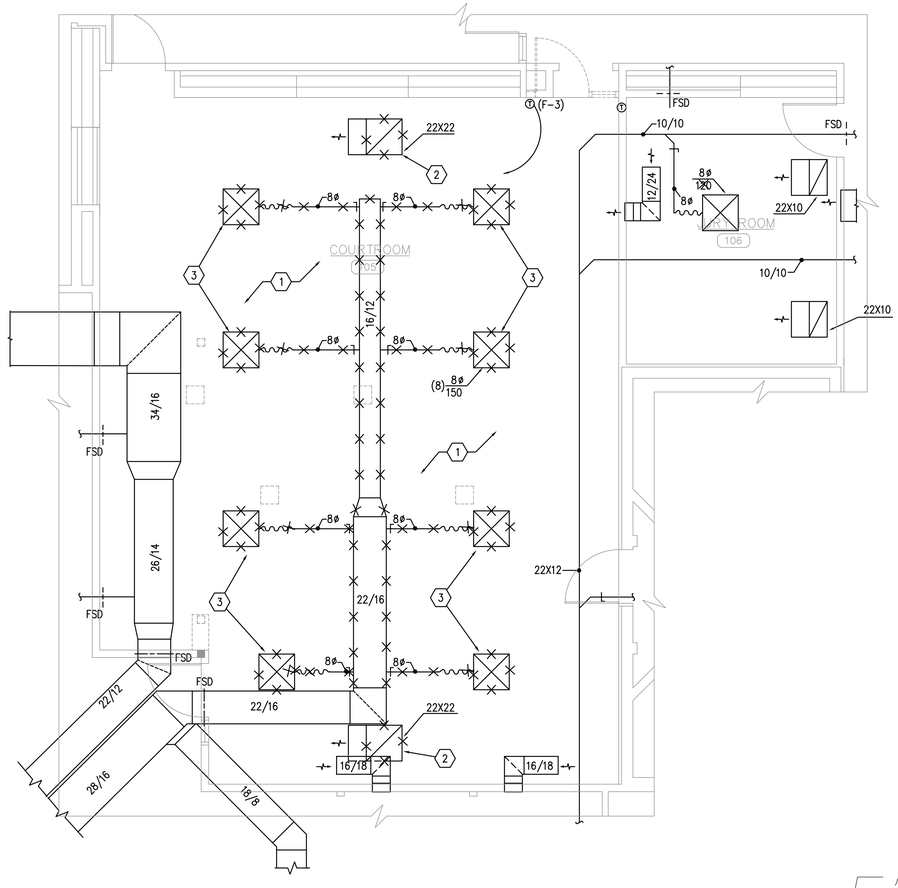
SHEET TITLE
LEGEND

ME-000
16 OF 26

M:\4000\4071 Cedar City Courts\4071_ME-000.dwg, 3/31/2005 12:09:22 PM, Doug L



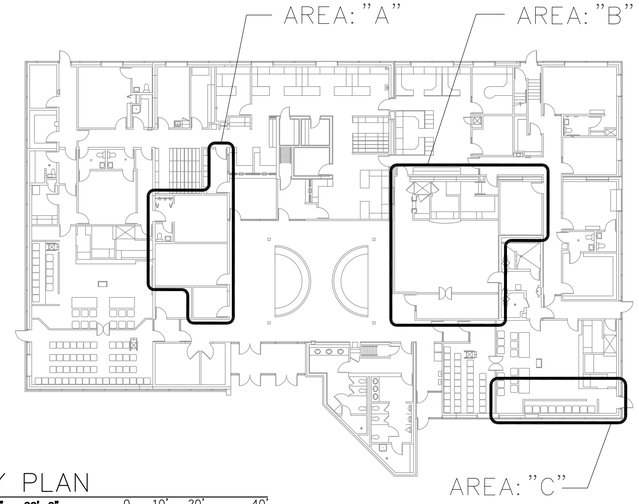


KEYED NOTES

1. ITEMS WITH X'S TO BE REMOVED, TYPICAL.
2. RETURN GRILLE TO BE REMOVED AND RELOCAED ON NEW CEILING PLAN.
3. SUPPLY GRILLE TO BE SALVAGED FOR REUSE.

B1 PARTIAL MECHANICAL DEMO PLAN "A"
SCALE 1/4" = 1'-0"

B3 PARTIAL MECHANICAL DEMO PLAN "B"
SCALE 1/4" = 1'-0"



A4 KEY PLAN
SCALE 1" = 20'-0"

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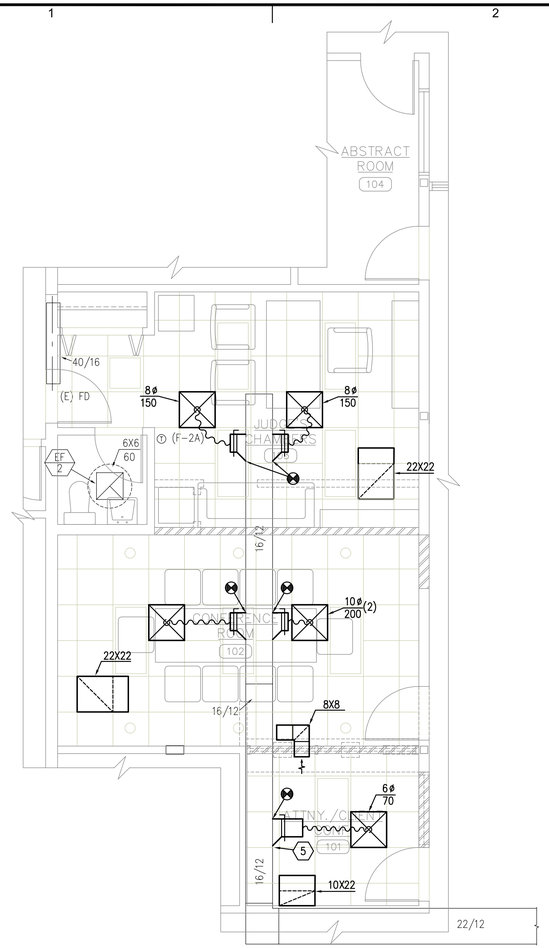
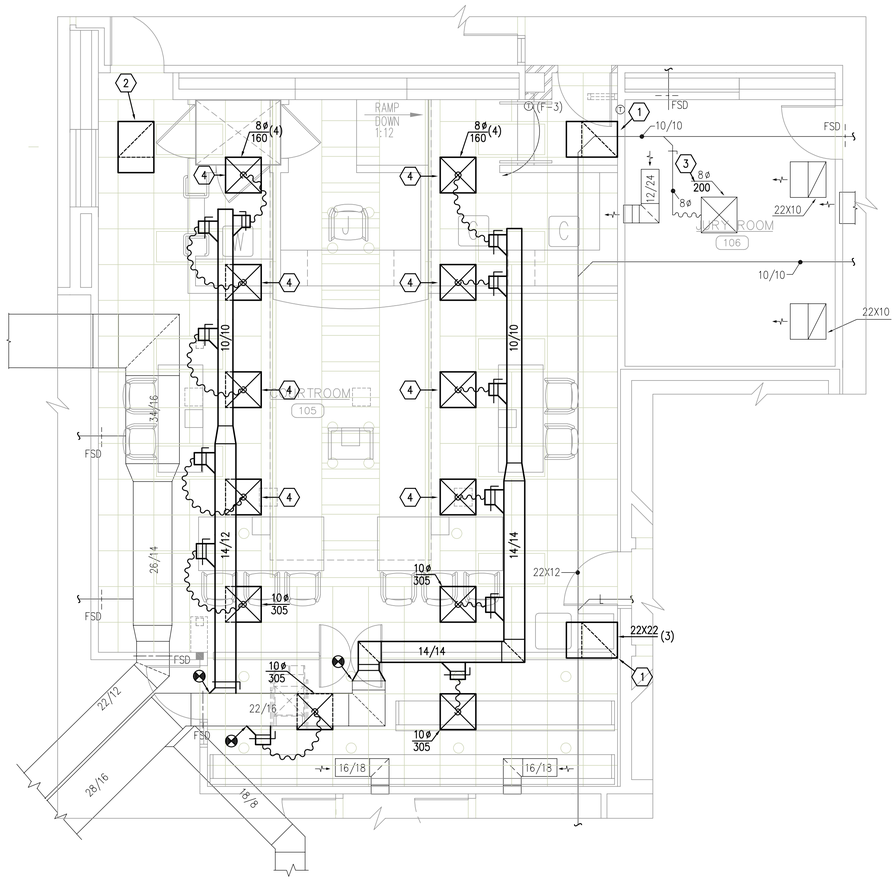
SHEET TITLE
MECHANICAL DEMOLITION PLANS

MD-101
17 OF 26

M:\40004\4071 Cedar City Courts\4071_MD-101.dwg, 3/31/2005 12:09:28 PM, Doug L



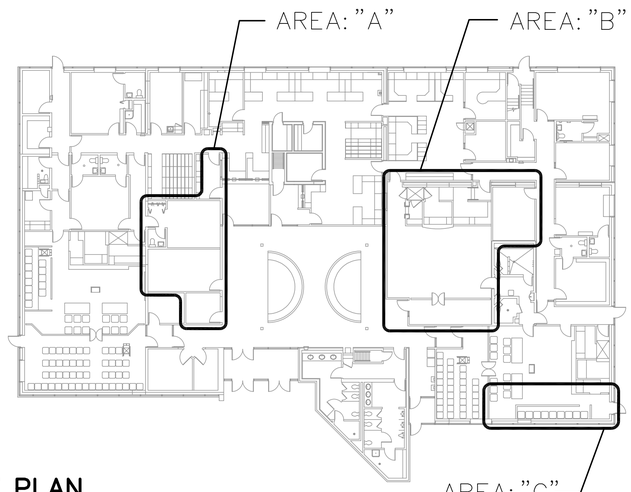


KEYED NOTES

1. RELOCATED RETURN GRILLE WITH SOUND BOOT.
2. NEW RETURN GRILLE WITH SOUND BOOT.
4. REBALANCE SUPPLY GRILLE TO CFM SHOWN.
5. RE-USED SUPPLY GRILLE.
6. EXISTING BRANCH TAKE-OFF AND BALANCE DAMPER RE-USED IF POSSIBLE. PROVIDE NEW FLEX DUCT AND GRILLE.

B1 PARTIAL MECHANICAL FLOOR PLAN "A"
SCALE 1/4" = 1'-0"

B3 PARTIAL MECHANICAL PLAN "B"
SCALE 1/4" = 1'-0"



A4 KEY PLAN
SCALE 1" = 20'-0"

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SHEET TITLE
MECHANICAL PLANS

ME-101
18 OF 26

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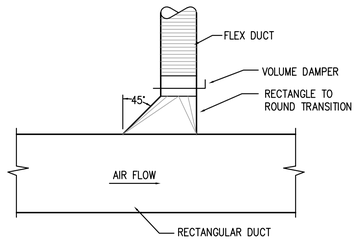
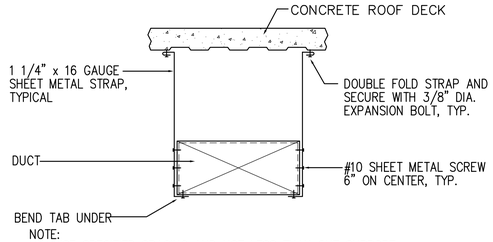
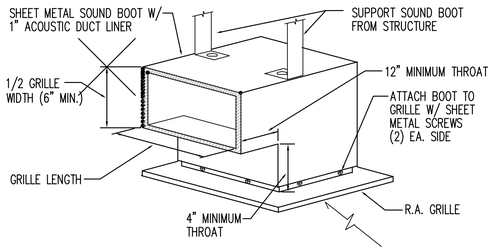


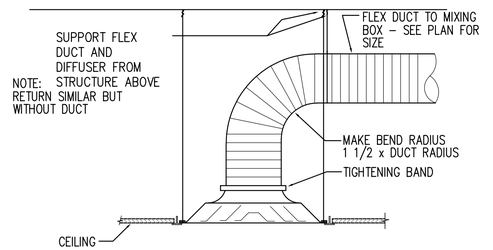
D-2 / ME-401 HIGH EFFICIENCY TAKE-OFF DETAIL
NO SCALE



D-3 / ME-401 RECTANGULAR DUCT SUPPORT
NO SCALE



D-4 / ME-401 R.A. GRILLE WITH SOUND BOOT
NO SCALE



C-3 / ME-401 DIFFUSER CONNECTION DETAIL
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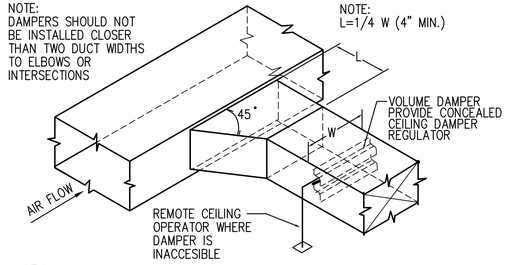
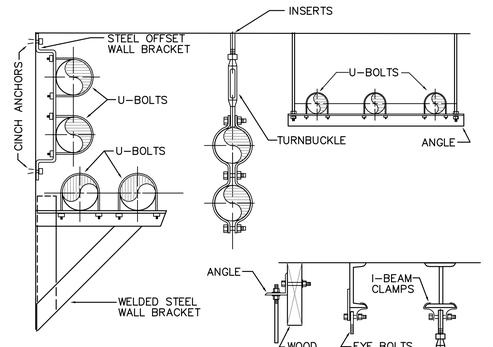
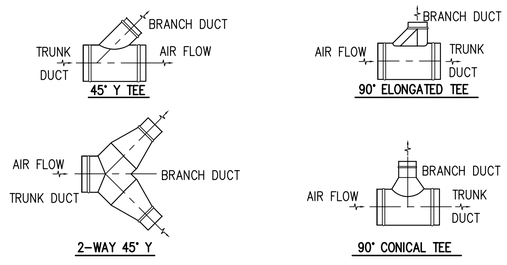


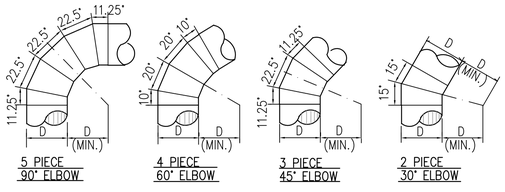
C-4 / ME-401 BRANCH DUCT TAKE-OFF & DAMPER DETAIL
NO SCALE



A-3 / ME-401 TYPICAL PIPE SUPPORT DETAIL
NO SCALE



B-4 / ME-401 ROUND DUCT BRANCH TAKE-OFF DETAILS
NO SCALE



A-4 / ME-401 ROUND DUCT ELBOW DETAILS
NO SCALE

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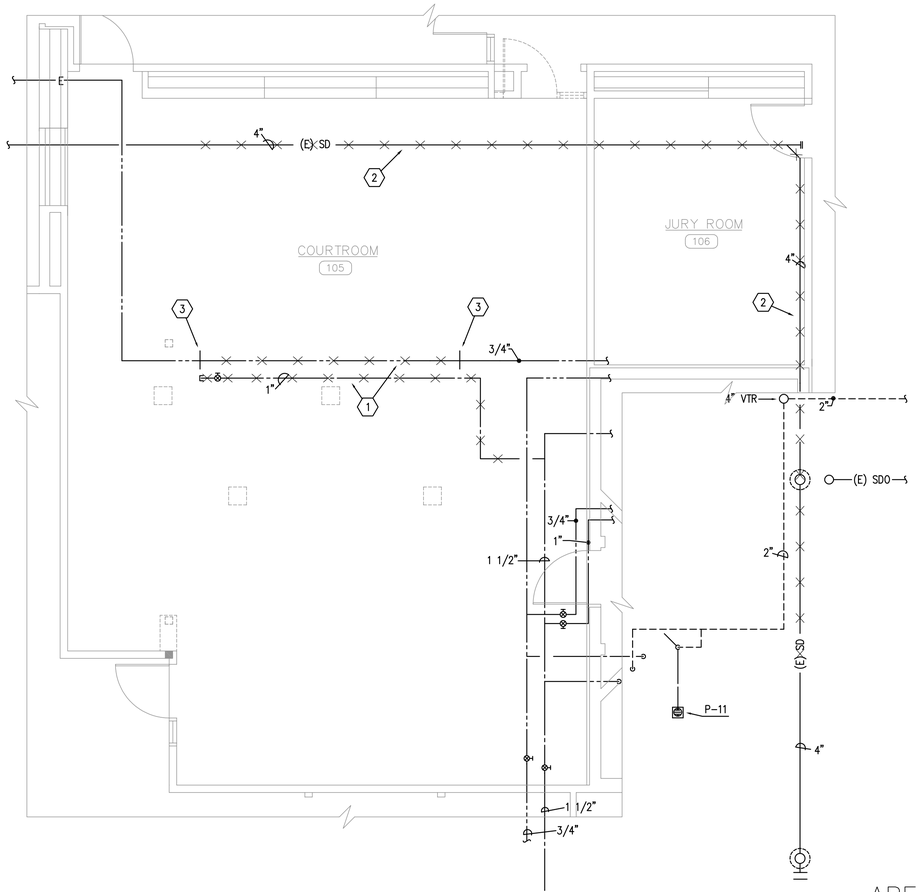
DETAILS

ME-401
19 OF 26

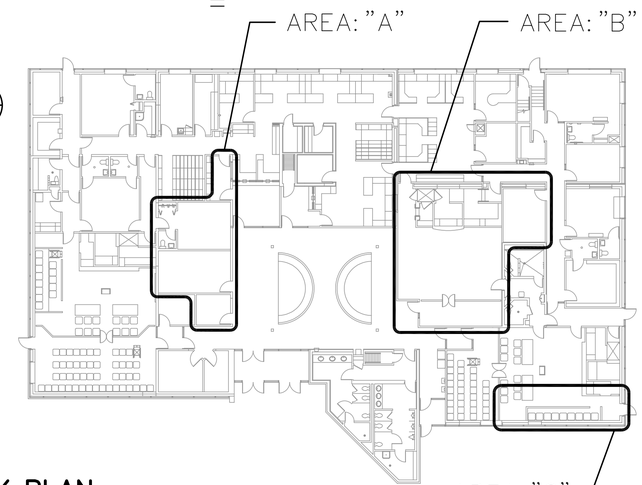


B3 PARTIAL PLUMBING DEMO PLAN "B"

SCALE 1/4" = 1'-0"

NORTH

0 2' 4' 8'



A4 KEY PLAN

SCALE 1" = 20'-0"

0 10' 20' 40'

KEYED NOTES

1. PIPED MARKED WITH X'S TO BE REMOVED.
2. ROOF DRAIN PIPING TO BE REUSED WHERE POSSIBLE.
3. PIPING TO BE REMOVED BETWEEN THESE TWO POINTS.

GENERAL NOTES

1 EXISTING PIPING SHOWN IS SCHEMATIC IN NATURE. CONTRACTOR TO FIELD VERIFY EXACT LOCATION AND ROUTING OF PIPING.

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	03/28/05	CONSTRUCTION DOC.

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SHEET TITLE

PLUMBING
DEMOLITION PLANS

PD-101
20 OF 26

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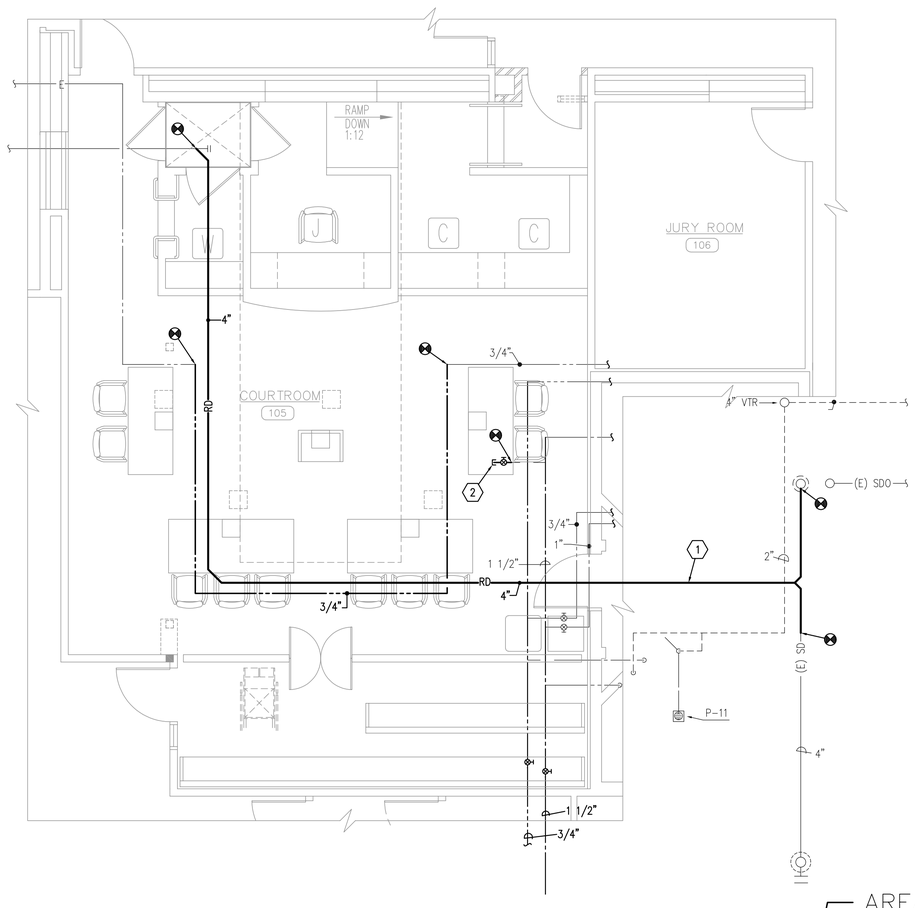
KEYED NOTES

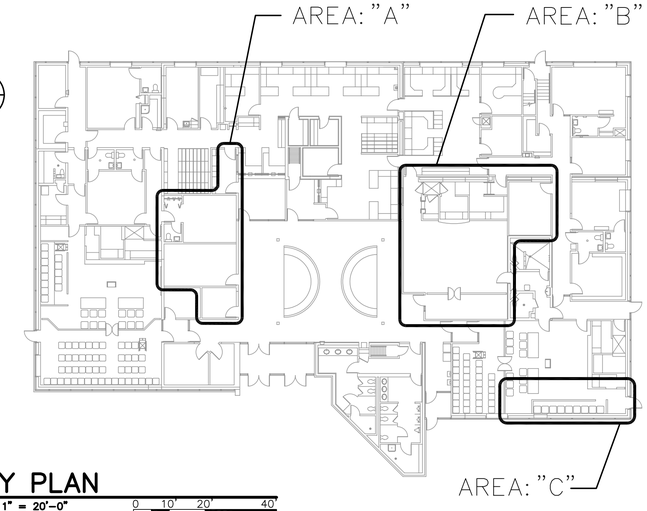
1. RUN ROOF DRAIN PIPING AS HIGH AS POSSIBLE. SLOPE ROOF DRAIN PIPE AT 1/8" PER FOOT FROM EXISTING ROOF DRAINS TO CONNECTION POINT WITH EXISTING PIPE. PROVIDE NEW INSULATION ON PIPE.
2. VALVE AND CAP PIPING.



B3 PARTIAL PLUMBING PLAN "B"
SCALE 1/4" = 1'-0"

NORTH

0 2' 4' 8'



A4 KEY PLAN
SCALE 1" = 20'-0"

0 10' 20' 40'

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PLUMBING PLANS

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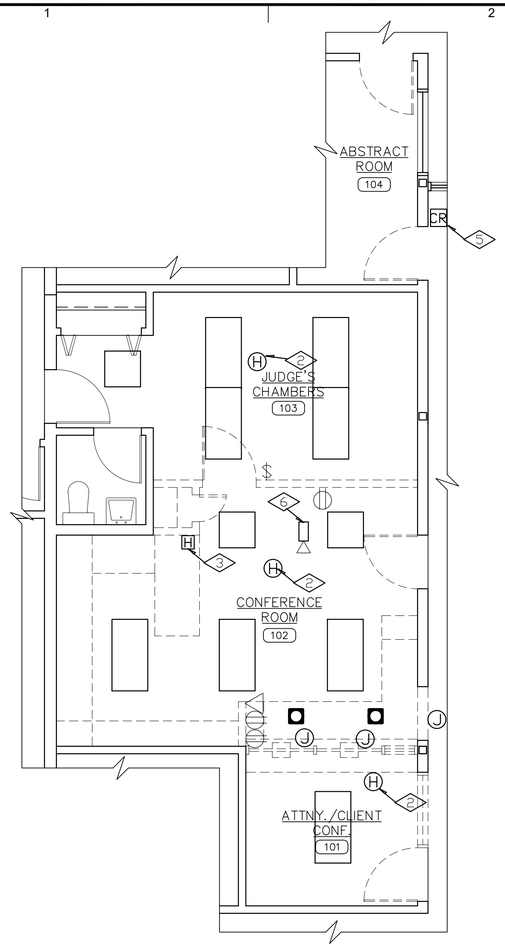
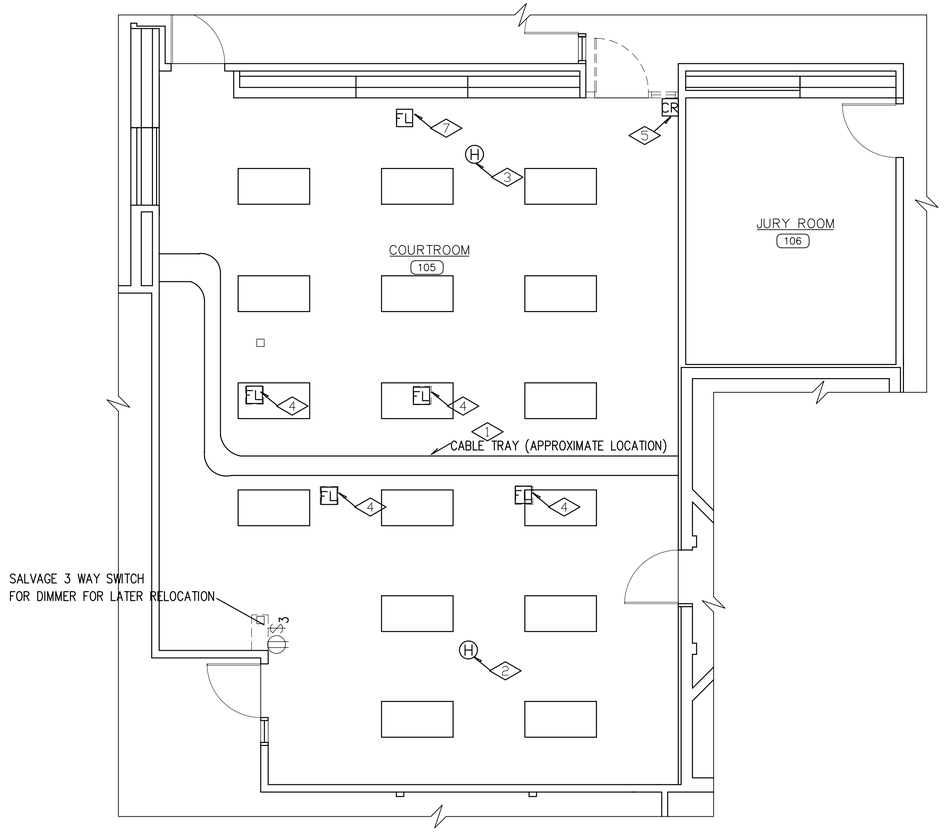
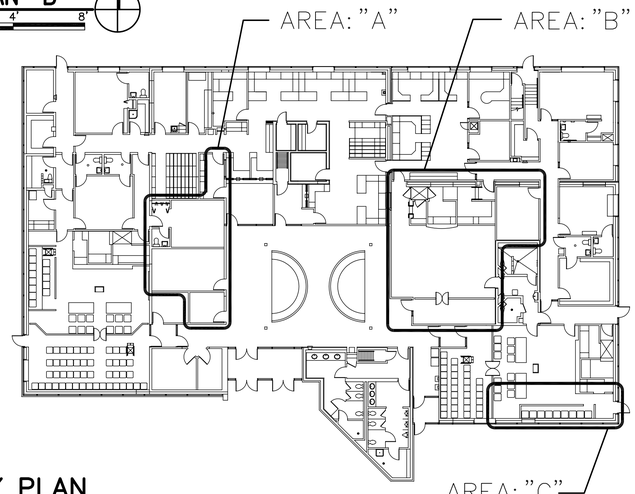


B1 PARTIAL FLOOR ELECTRICAL DEMOLITION PLAN "A"
SCALE 1/4" = 1'-0"



B3 PARTIAL FLOOR ELECTRICAL DEMOLITION PLAN "B"
SCALE 1/4" = 1'-0"



A4 KEY PLAN
SCALE 1" = 20'-0"

KEYED NOTES

1. EXISTING CABLE TRAY TO BE MODIFIED – TAKE PRECAUTIONS TO PROTECT THE EXISTING CABLE FROM DAMAGE AND IN CLEAN CONDITION DURING THE DEMOLITION AND CONSTRUCTION UNTIL CABLES ARE REPLACED.
2. EXISTING DEVICES TO REMAIN IN SERVICE. PROVIDE NECESSARY BOX EXTENSIONS ETC. AND MODIFY UP STREAM AND DOWN STREAM WIRING TO MAINTAIN THE BRANCH CIRCUIT.
3. SALVAGE DEVICE. REWIRE AROUND THE FIRE ALARM DEVICES THAT ARE TO BE RELOCATED TO MAINTAIN THE SYSTEM WITH MINIMAL DOWN TIME. SYSTEM MUST BE MAINTAINED IN OPERATION. INSTALL TEMPORARY DEVICES AND WIRING IN CONSTRUCTION AREAS AS REQUIRED.
4. REMOVE EXISTING FLOOR BOXES. PATCH FLOOR TO MATCH EXISTING. SALVAGE CONDUITS IN FLOOR TO REROUTE TO NEW FLOOR BOXES.
5. SALVAGE CARD READER FOR LATER REINSTALLATION AT ANOTHER LOCATION. PATCH WALL TO MATCH EXISTING.
6. SALVAGE EXISTING CAMERA TO BE RELOCATED TO COURTROOM.
7. THIS FLOOR BOX IS TO BE ABANDONED.

GENERAL DEMOLITION NOTE:

IN THE EXISTING SPACES TO BE RENOVATED, THE ELECTRICAL CONTRACTOR SHALL REMOVE LIGHTS, SWITCHES, WIRING DEVICES, CONDUIT, WIRE, ETC. AS REQUIRED KEEPING DAMAGE TO THE EXISTING BUILDING WALLS, FLOORS AND CEILING TO A MINIMUM. COORDINATE WITH THE GENERAL CONTRACTOR. ABANDONED CONCEALED CONDUIT THAT CANNOT BE REMOVED SHALL HAVE WIRING REMOVED, CONDUIT SHALL BE CAPPED OFF AND CONCEALED INTO EXISTING WALL SPACE AND HOLES PATCHED. IN AREAS WHERE CONDUIT CONTINUITY IS INTERRUPTED BECAUSE OF THE REMODELING. MAKE NECESSARY MODIFICATION TO THE CIRCUITS TO MAINTAIN CIRCUIT INTEGRITY TO THE DOWN STREAM AND UP STREAM DEVICES THAT REMAIN IN SERVICE. ALL ITEMS REQUIRING DEMOLITION MAY NOT BE SHOWN. HOWEVER, REMOVE ABANDONED ELECTRICAL DEVICES, EQUIPMENT, ETC. AND THEIR ASSOCIATED CIRCUITING AND/OR CABLES IN THE PROJECT AREA WHETHER SHOWN OR NOT.

REMOVE ELECTRICAL EQUIPMENT, DEVICES, JUNCTION BOXES, CABLE TRAY, ETC. ABOVE THE SUSPENDED CEILING WHERE THE NEW SKYLIGHT IS TO BE INSTALLED. RELOCATE, REROUTE, AND EXTEND ITEMS THAT ARE NOT TO BE ABANDONED OUT OF THE WAY OF THE SKYLIGHT AND NEW SUPPORTING MEMBERS.

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SHEET TITLE
ELECTRICAL DEMOLITION PLANS & KEYED NOTES

ED-101
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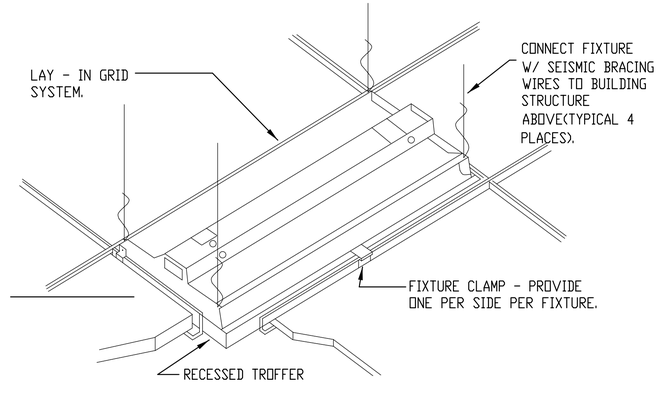
LIGHTING FIXTURE SCHEDULE

SYMBOL	MANUFACTURER	CATALOG NUMBER	LAMPS	DESCRIPTION
T-1	COLUMBIA METALUX	P4D 24-332-G-LD38-SEB8-120-GLR 2EP3GX-332-S-38I-120-EB82	3) F32 T8/ SPX35 86 CRI LAMPS	2X4 3-LAMP, 24 CELL, LAY-IN PARABOLIC TROFFER, 3" DEEP CELLS FACTORY WIRED FOR 2 LEVEL CENTER LAMP SWITCHING. 120 VOLT LOW HARMONIC ELECTRONIC BALLASTS, FUSED, LOW IRIDESCENT, SEMI-SPECULAR FINISH.
T-2	-	-	3) F32 T8/ SPX35 86 CRI LAMPS	EXISTING FIXTURE RELOCATED TO THIS NEW LOCATION 2X4 3-LAMP, PARABOLIC TROFFER - WITH 120 VOLT LOW HARMONIC ELECTRONIC DIMMING BALLASTS. 0 - 100% RANGE. FUSED, LOW IRIDESCENT SEMI-SPECULAR FINISH.
T-3	COLUMBIA METALUX	P422-232U6-G-LD35-SEB8-120-GLR 2EP3GX-2U6T8-S-34I-120-EB81	2) F40 T8/ SPX35 U/6/ 86CRI LAMPS	2X2 2U LAMP 12 CELL LAY-IN PARABOLIC TROFFER 3" DEEP CELLS. 120 VOLT LOW HARMONIC ELECTRONIC BALLAST, FUSED, LOW IRIDESCENT SEMI-SPECULAR FINISH.
T-4	ALS	CL22-APPROX26.5-X120-E-0	12) F28 T5/ SPX35 86 CRI LAMPS	SURFACE ON WALL OF SKYLIGHT SHINING UPWARD - SEE ARCHITECTURAL DETAILS FOR MOUNTING - PROVIDE ENDS FOR MOUNTING THE ENTIRE LENGTH OF SKYLIGHT. MAKE FIELD MEASUREMENTS FOR ORDERING.
T-5	PORTFOLIO	PD7-V142-7VC	1) F32 TT SPX35 86 CRI LAMP	RECESSED DOWN LIGHT
T-6	PORTFOLIO	PD7-V120-7VP38-CL	1) 150W PAR 38 FLOOD LAMP	RECESSED DOWN LIGHT
T-7	HALO	L973P/L1510P	1) 50W PAR 20 FLOOD	SURFACE ON WALL OF SKYLIGHT - MOUNT ABOVE TRUSS AREA - SPOTLIGHTING DOWNWARD - ADJUSTIBLE
EX-1	PRESCOLITE SURE-LITES	XD-1-G-EN-W CX-7170-GW	INCL'D.	SINGLE FACE, UNIVERSAL MOUNT, CAST WHITE HOUSING, EXIT FIXTURE. GREEN LED, NI CAD EMERGENCY BATTERY.
EM	PRESCOLITE IOTA BODINE	EFP-5 I-80 B-50		NEW FIELD INSTALLED 1100 LUMEN NI-CAD EMERGENCY BATTERY-PACK - 5 YEAR WARRANTED. NOTE: IF THERE IS CAPACITY IN THE EXISTING BUILDING CENTRAL BATTERY SYSTEM, DELETE INDIVIDUAL PUCKS + CONNECT ALL EM LIGHTS CENTRAL SYSTEM.

ELECTRICAL SYMBOL LIST

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	2'x4' FLUORESCENT FIXTURE - SEE SCHEDULE	CEILING
	2'x2' FLUORESCENT FIXTURE - SEE SCHEDULE	CEILING
	SURFACE MOUNTED FLUORESCENT FIXTURE WITH JUNCTION BOX	CEILING
$	SINGLE POLE SWITCH	+48" A.F.F. U.O.N.
$3	3-WAY SWITCH	+48" A.F.F. U.O.N.
$4	4-WAY SWITCH	+48" A.F.F. U.O.N.
D	WALL BOX DIMMER-(F=FLUORESCENT, N=INCANDESCENT). NEW 'F' DIMMER SHALL BE COMPATIBLE W/ EXISTING DIMMING BALLASTS.	
CR	CARD READER (DOOR ACCESS SYSTEM).	
	DUPLEX CONVENIENCE OUTLET, 20 AMP.	+18" A.F.F. U.O.N.
GFI	GROUND FAULT INTERRUPTER DUPLEX 20A. OUTLET	+18" A.F.F. U.O.N.
IG	DUPLEX 20 AMP, ISOLATED GROUND OUTLET.	+18" A.F.F. U.O.N.
WP	WEATHER PROOF	
	VOICE/DATA OUTLET LOCATION.	
FL	LARGE FLOOR OUTLET WITH MULTI-COMPARTMENTS FLUSH WITH FLOOR. - SEE SHEET EP101.	
SD	SMOKE DETECTOR	CEILING
H	HEAT DETECTOR	CEILING
H	HORN/STROBE	CEILING
M	MINI HORN/STROBE	CEILING
H	WEATHERPROOF HORN	CEILING
F	MANUAL PULL STATION	
D	DURESS SWITCH, 4" SQUARE BOX WITH SINGLE GANG RING.	
H	HARD OF HEARING OUTLET 4" SQUARE BOX WITH SINGLE GANG RING.	
S	SPEAKERS - FLUSH CEILING TYPE	
	CCTV CAMERA	
M	MICROPHONE LOCATION	
J	JUNCTION BOX	
J CIC	COMPUTER IN COURT JACK	
C	COURT CLOCK	



CEILING LIGHT IN GRID DETAIL

NO SCALE

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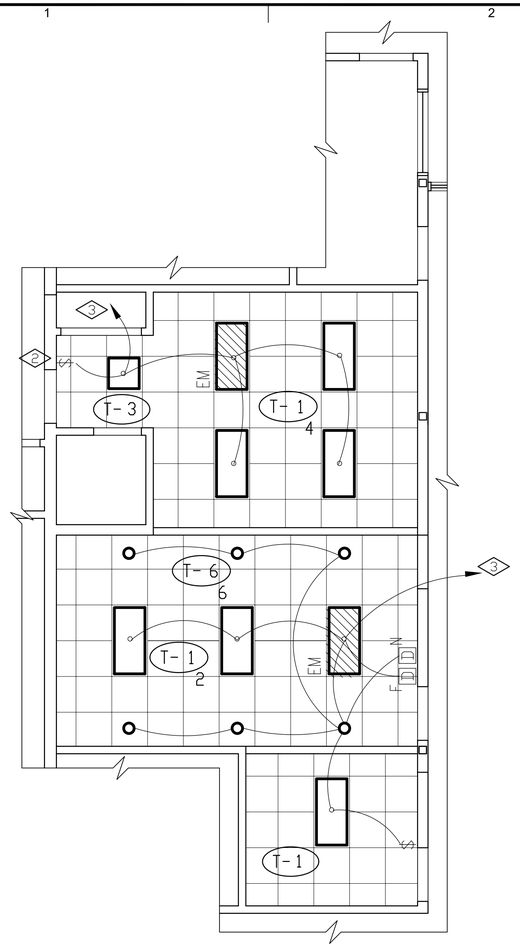
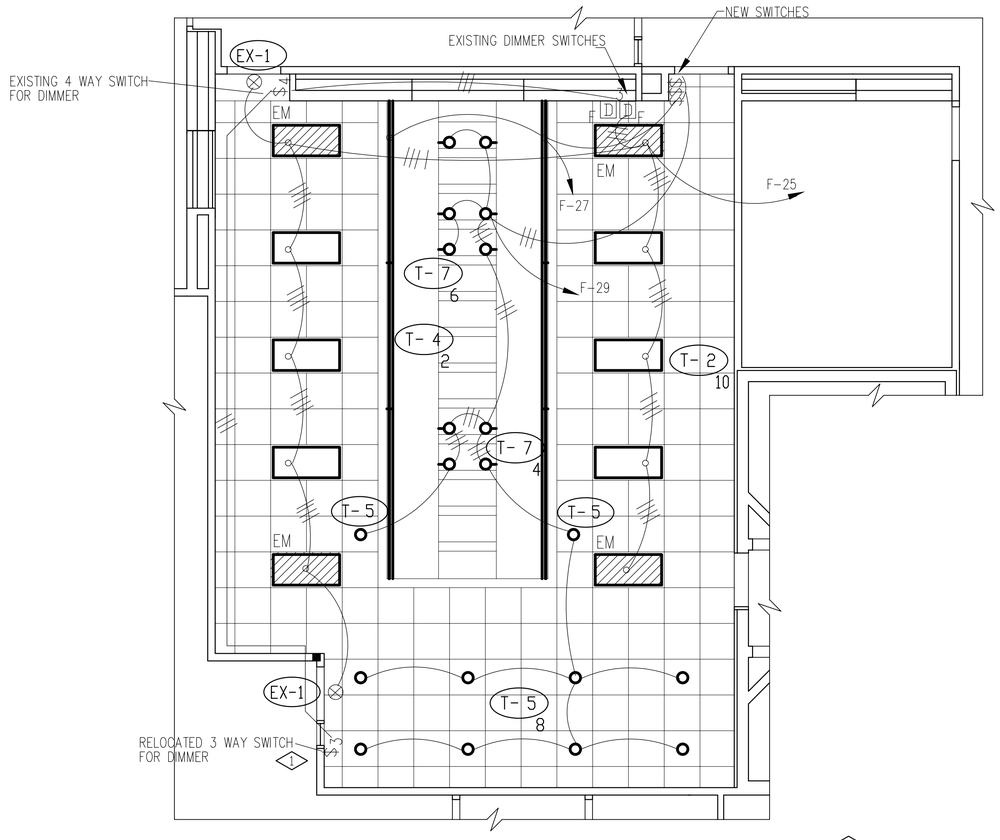
SHEET TITLE

ELECTRICAL SCHEDULES & DETAILS

EI-101
23 OF 26



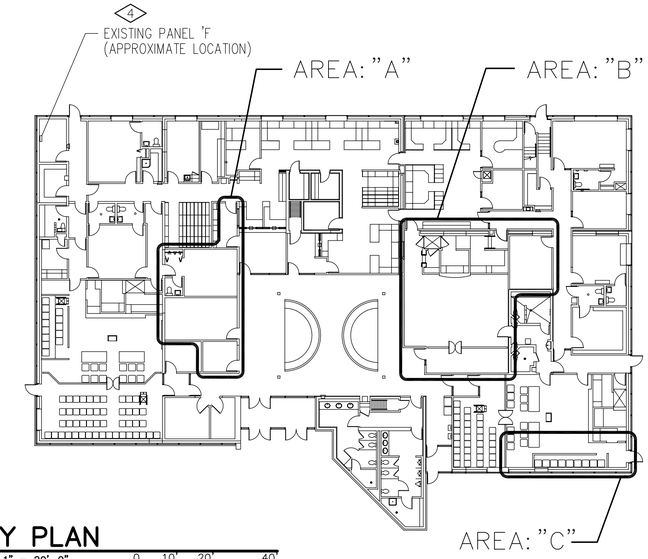


KEYED NOTES

1. CAREFULLY CUT WALL TO CONCEAL NEW BOX AND CONDUIT, AVOIDING DAMAGE TO WALL COVERING MATERIAL.
2. EXISTING DEVICE TO REMAIN IN SERVICE.
3. CIRCUIT NEW LIGHTS TO EXISTING 120V LIGHT CIRCUIT WITH CAPACITY TO ADD THESE.
4. ADD EIGHTEEN NEW 20A–1P–120V BREAKERS TO EXISTING SIEMENS TYPE S1 PANEL 'F' FOR NEW CIRCUITS AND SPARES.

B1 PARTIAL REFLECTED CEILING PLAN "A"
SCALE 1/4" = 1'–0"
NORTH
0 2' 4' 8'

B3 PARTIAL REFLECTED CEILING PLAN "B"
SCALE 1/4" = 1'–0"
NORTH
0 2' 4' 8'



A4 KEY PLAN
SCALE 1" = 20'–0"
0 10' 20' 40'

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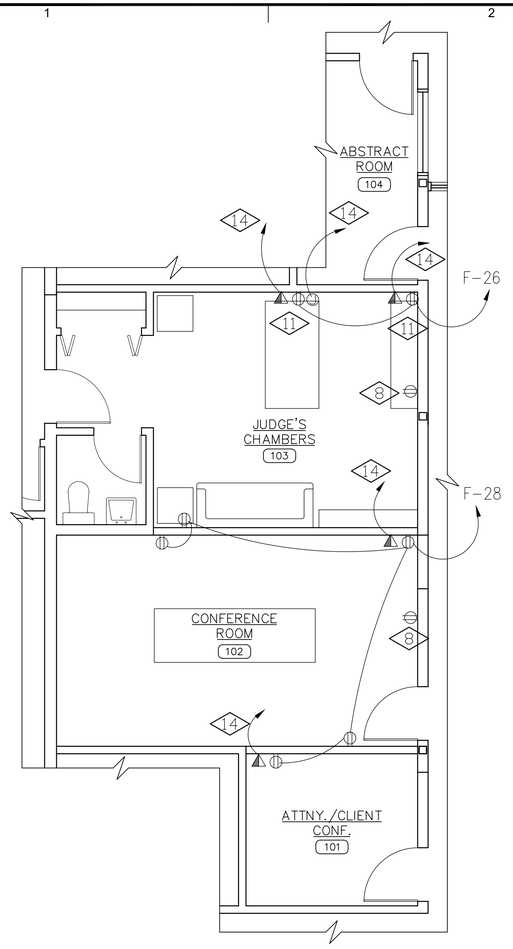
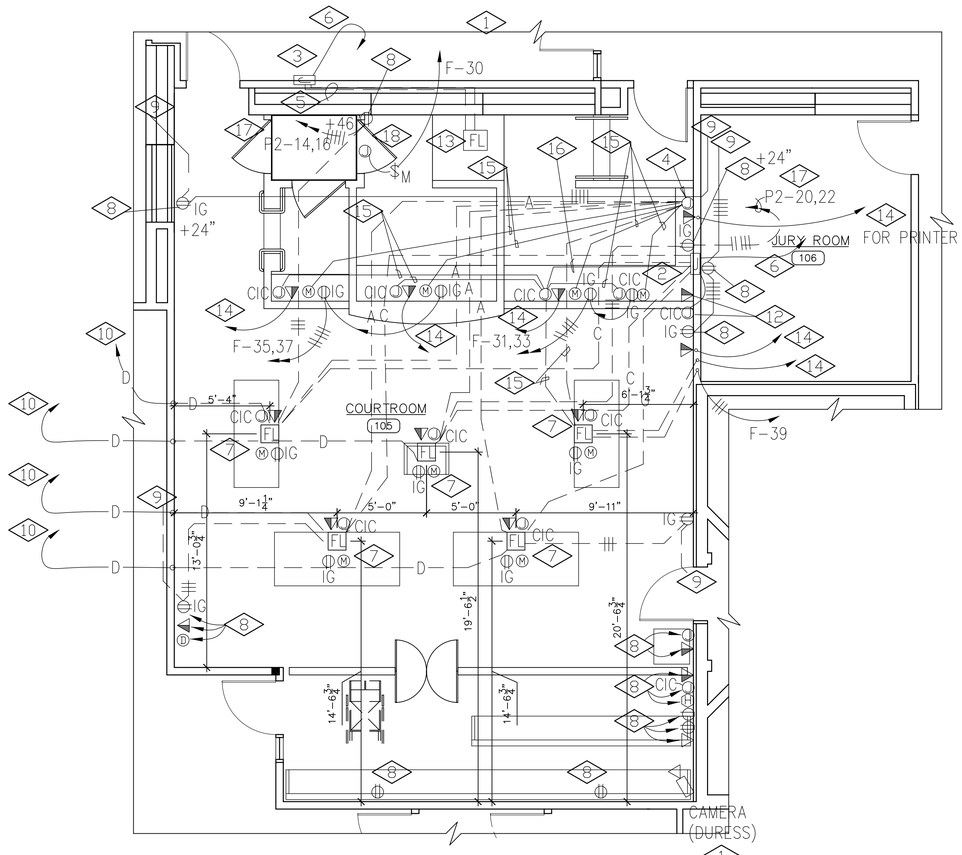
SHEET TITLE
LIGHTING PLANS & KEYED NOTES

EL-101
24 OF 26



B1 POWER PLAN "A"
SCALE 1/4" = 1'-0"



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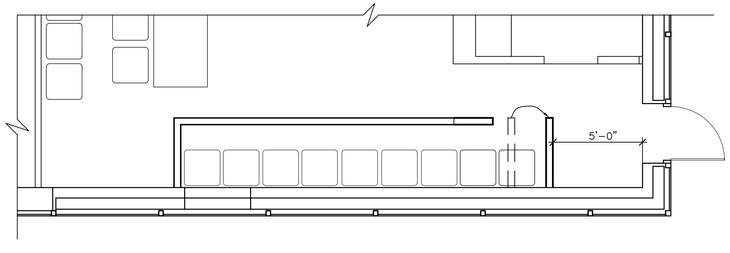
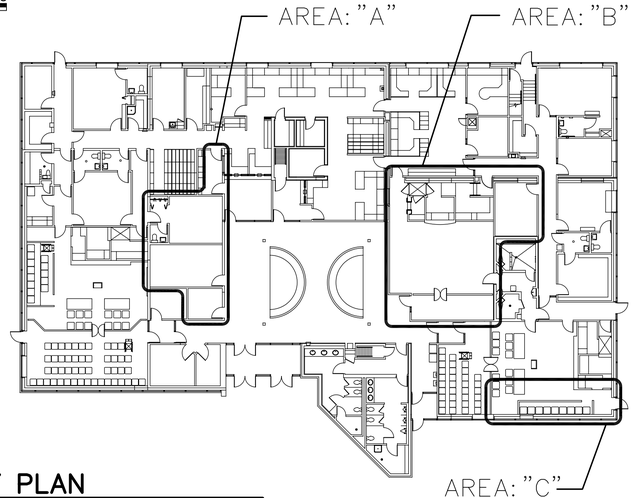
SCALE 1/4" = 1'-0"



A1 POWER PLAN "C"
SCALE 1/4" = 1'-0"



A4 KEY PLAN
SCALE 1" = 20'-0"

KEYED NOTES

1. NEW CAMERA OUTLET BOX – MOUNT AT 12" BELOW DROPPED CEILING. RUN 1" C FROM BOX TO CABLE TRAY.
2. EXISTING FLUSH MOUNTED WALL JUNCTION BOX. MOUNTED AT +24" A.F. FLOOR TO CENTER – MAKING IT 18" A.F. JUDGE'S FLOOR. BOX IS 18" X 18" X 4" DEEP.
3. EXISTING FLUSH MOUNTED WALL JUNCTION BOX (ABANDONED). MOUNTED AT 18" A.F.F. TO CENTER. BOX IS 18" X 18" X 4" DEEP.
4. NEW JUNCTION BOX FOR OWNER–FURNISHED SOUND SYSTEM AND DIGITAL RECORDING SYSTEM.
5. EXISTING TWO 2" CONDUITS FROM WALL BOX TO FLOOR BOX.
6. EXISTING 2" C FROM WALL BOX TO CABLE TRAY.
7. NEW FLUSH MOUNTED FLOOR BOX FOR POWER, DATA, MICROPHONE, AND C.I.C.. INCLUDE TWO DUPLEX I.G. RECEPTACLES. BOX SHALL BE WALKER #RFB8. CUT INTO EXISTING CONCRETE FLOOR FOR NEW BOX AND CONDUITS. ALL RUNS SHOWN ARE 3/4" C UNLESS OTHERWISE NOTED. USE PART OF EXISTING CONDUITS AS MUCH AS POSSIBLE. OTHERWISE, RUN ALL NEW CONDUITS.
8. EXISTING OUTLET TO REMAIN IN SERVICE.
9. TO EXISTING CONTINUATION OF CONDUIT OR CIRCUIT.
10. RUN 3/4" C FROM WALL OUTLET OR FLOOR BOX TO CABLE TRAY. USE EXISTING CONDUIT AS MUCH AS POSSIBLE.
11. CAREFULLY CUT EXISTING WALL AS REQUIRED TO CONCEAL NEW BOX AND CONDUIT AND AVOID DAMAGE TO WALL COVERING MATERIAL.
12. COORDINATE EXISTING OUTLETS WITH NEW MILLWORK/FRAMEWORK OF JUDGE'S BENCH AND RELOCATE OUTLETS AS REQUIRED.
13. THIS FLOOR BOX IS TO BE ABANDONED. THERE ARE NO WIRES INSTALLED.
14. NEW 3/4" C TO CABLE TRAY.
15. NEW 3/4" C.
16. NEW 1 1/4" C.
17. EXISTING CIRCUIT – FIELD VERIFY EXACT NUMBER.
18. MAKE ALL CONNECTIONS AND CIRCUITING TO SAFETY AND CONTROL DEVICES FOR LIFT.

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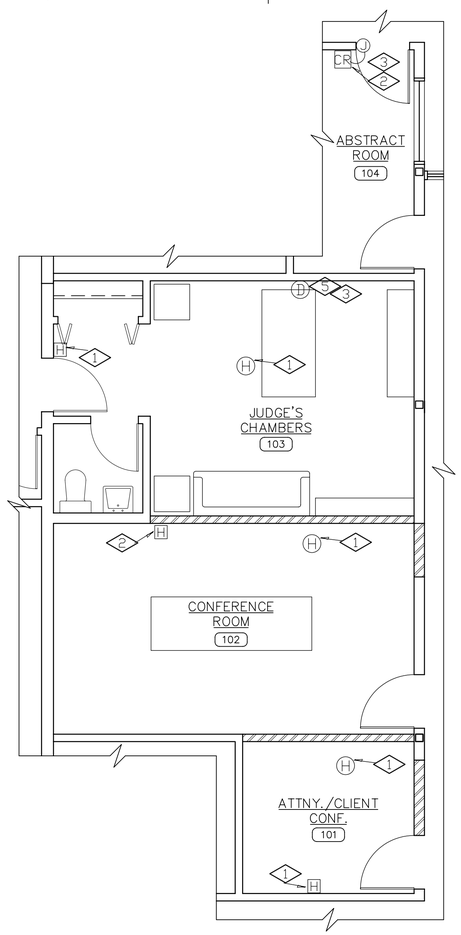
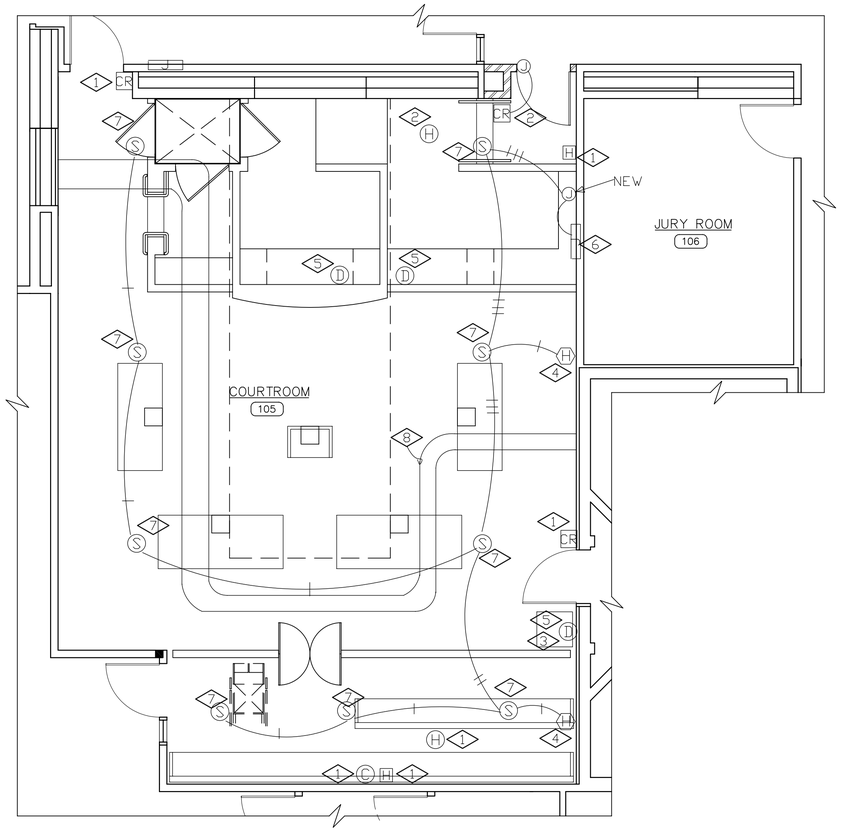
SHEET TITLE
POWER PLAN & KEYED NOTES

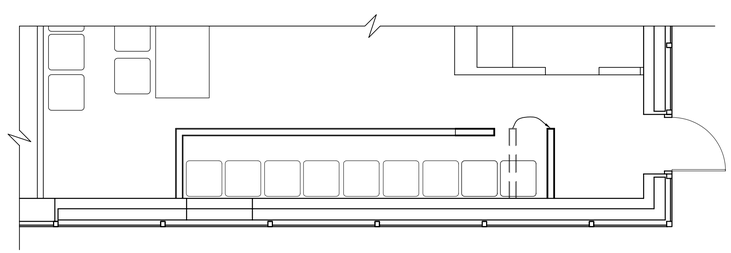
EP-101
25 OF 26



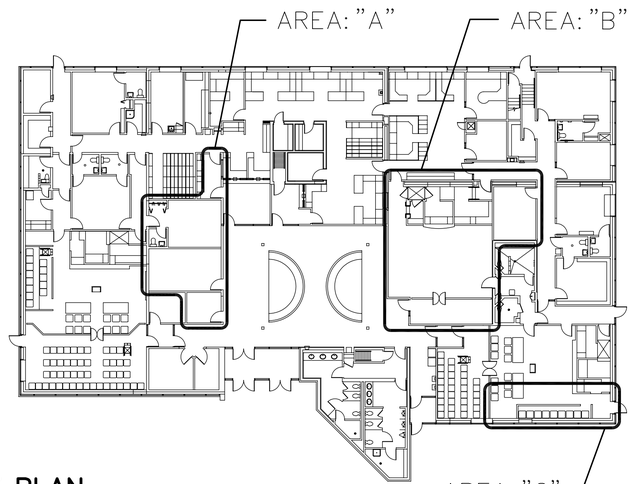
B1 SYSTEMS PLAN "A"
SCALE 1/4" = 1'-0"



B3 SYSTEMS PLAN "B"
SCALE 1/4" = 1'-0"



A1 SYSTEMS PLAN "C"
SCALE 1/4" = 1'-0"



A4 KEY PLAN
SCALE 1" = 20'-0"

KEYED NOTES

1. EXISTING DEVICE TO REMAIN IN SERVICE.
2. RELOCATE DEVICE TO THIS NEW LOCATION. EXTEND AND REROUTE CIRCUITING AND/OR CABLES TO NEW DEVICE LOCATION AND MAKE ALL CONNECTIONS.
3. CAREFULLY CUT EXISTING WALL TO CONCEAL NEW BOX AND CONDUIT AND AVOID DAMAGE TO WALL COVERING.
4. OUTLET BOX IN WALL IS ALREADY EXISTING TO RECIEVE NEW DEVICE.
5. CONNECT NEW DURESS SWITCH TO SECURITY CONTROL PANEL IN TEL/COM ROOM WITH TWO TWISTED PAIR #18 CABLE IN 3/4"C.
6. EXISTING 18"x18"x4"D FLUSH MOUNDTED JUNCTION BOX. MAKE CABLE CONNECTIONS TO AMPLIFIER IN JUDGES BENCH. REFER TO SHEET EP-101.
7. NEW SPEAKER FLUSH MOUNT IN CEILING, COMPATIBLE WITH AMPLIFIER.
8. NEW CABLE TRAY EXTENSION AND RELOCATION. MATCH EXISTING CABLE TRAY SIZE AND TYPE. REPLACE THE CABLES IN THE CABLE TRAY (APPROXIMATELY 50 CABLES: VIDEO, AUDIO, SECURITY, VOICE, DATA, COMMUNICATIONS, ETC.) ENTIRE LENGTHS TO THE DEVICES AT EACH END WITH WHICH THEY ARE PRESENTLY CONNECTED. CABLES SHALL MATCH OR BE BETTER QUALITY THAN EXISTING. FIELD VERIFY EXISTING CABLES AND CABLE TRAY. INSTALLATION OF NEW CABLES AND EXTENSION OF CABLE TRAY SHALL BE MADE READY BEFORE DISCONNECTION OF EXISTING CABLES SO THAT ACTUAL INTERRUPTION OF CABLES IS DONE ON THE WEEKEND. SCHEDULE THE INTERRUPTION WITH COURT REPRESENTATIVE.

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CEDAR CITY COURT
2005 MISCELLANEOUS REMODELING
100 EAST CENTER STREET
CEDAR CITY, UTAH 84501

MARK	DATE	DESCRIPTION

OWNER PROJECT NO:	05017150
ARCH. PROJECT NO:	04-47
CAD DWG FILE:	EY101.DWG
DRAWN BY:	MDL
CHECKED BY:	DPL
DESIGNED BY:	DPL

SHEET TITLE
SYSTEMS PLAN & KEYED NOTES

EY-101
26 OF 26